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KIESTER-HALL SEED ANNUAL



"Better Seed: Better Service: Better Crops"

KIESTER-HALL SEED COMPANY

(GEORGE HALL, RECEIVER)

WATERLOO IOWA



The Best Equipped Seed Store in Iowa

GENERAL INFORMATION

Write your order, your name and your address plainly. This will avoid delay in filling your order, will insure better service and prompt shipment.

Order by catalog number. Use the name of the seed, too, if you wish to, but wherever a catalog number appears, be sure to use it in writing your order.

Make all remittances payable to KIESTER-HALL SEED COMPANY.

You can remit by Postoffice or Express Money Order, by Bank Draft or Personal Check, but any currency included in your letter is sent at your own risk, unless by Registered Mail.

All goods listed are shipped postpaid unless otherwise specified.

Keep a copy of your order. This is the easiest way for you to check the goods when you receive them. We use the utmost care in filling orders, but everybody is liable to make a mistake occasionally—so do we—but we will cheerfully correct any error if you will write us freely and frankly about it. We will not be satisfied until you are.

Because of a host of conditions not under our control, such as extremes of temperature, improper preparation of the seed bed, planting too deep or too shallow, insect pests, improper soil, wet weather, frosts, etc., we cannot assume any responsibility after the seed leaves our possession; therefore, we give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. We test all our seed before shipping; we exercise the utmost care and do all that is humanly possible to provide seeds of high purity and germination. If there is a slip somewhere, it is not knowingly our fault.

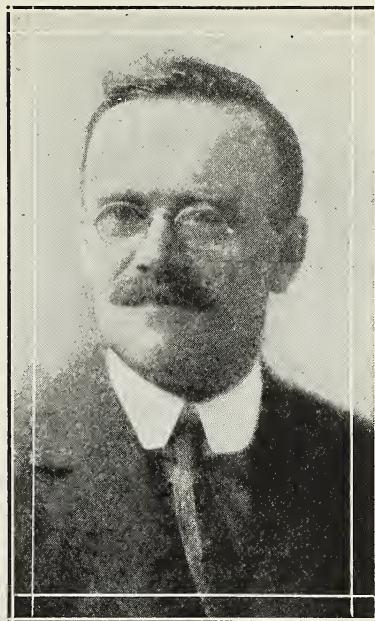
LET'S ALL APPLY THE GOLDEN RULE

READ THIS:

Dear Friend:

To my many farmer and gardener friends, I take this opportunity of expressing my very sincere thanks for all the kind help they have rendered me during the dark days through which the farmers and business men of our country have been passing. As a seedsman of thirty-five years' practical experience, I have never previously witnessed times of greater anxiety than those through which all farmers and seedsmen have and are at this time passing.

If it were not for the splendid spirit of patience and co-operation manifested by everyone, conditions would undoubtedly have been a greater burden. I am thankful for the practical assistance rendered, the many kind words spoken, and for the general application of the Golden Rule.



GEORGE HALL
(Agricultural Expert)

At no time in the World's history has it been more essential than right now to put into practice every day the beautiful teachings as commanded in the Golden Rule. By its application, rough places are made smooth; our burdens are lightened; gloom dispelled; courage strengthened. If the Golden Rule was universally applied, what a different aspect this old world of ours would assume. During my thirty-five years of continuous seed dealing, I have made it my constant aim to put into practice the Golden Rule principle.

I love the farm and the garden, God's creations; and am always happy when I can help the farmer or gardener to improve his position. All the information I have accumulated during my thirty-five years association with farmers and gardeners is at the disposal of my friends at any time. Be sure to come and see us. The latch-string is always out. Five minutes of personal service is better than a week of correspondence.

Many little questions will arise from time to time. If you are in doubt on soil, crop, fertilizer or bacterial questions, tell me what your troubles are and I will make an honest effort to help you solve them. I love this work and am anxious to co-operate with my friends as far as possible.

I have lots of farmer and gardener friends; but not one too many. I want every farmer and gardener to feel that I am his friend; anxious to do everything possible to assist him. I ask for no monetary compensation for this help; it's whole-heartedly free, because I love to render the help; it's my way of putting into practice the Golden Rule.

Our catalog this year has been compiled carefully; only the best standard types of seed are offered. Our prices have been placed to the lowest level consistent with quality. Our seeds are the best money can buy; all tested. They are Golden Rule seeds because our aim is to furnish to our customers only such quality seeds as we ourselves would want if we were customers instead of distributors. All orders will receive my personal attention. Good, Prompt and Efficient Service is assured.

Sincerely yours,

GEORGE HALL

January 1st, 1922.

VEGETABLE SEED DEPARTMENT

Remember all vegetable seeds offered in this book are of high purity and germination—all fresh seed

ASPARAGUS

And Some Timely Suggestions for Asparagus Growers

To insure quick germination of Asparagus seed, soak the seed in lukewarm water for twelve hours before sowing. Sow Asparagus seed thinly to insure nice, thrifty plants. Soil that will produce Corn will grow Asparagus. The seed germinates slowly; a good plan is to sow a few radish seeds in the row as markers so the Asparagus will not be damaged during its earliest growth. Radish seed grows quickly and will show the lines making cultivation of the Asparagus safe. Asparagus should always be transplanted in the spring or early summer.



Columbia Mammoth White Asparagus—10A

COLUMBIAN MAMMOTH WHITE ASPARAGUS

Gives immense yield of clear, white roots. A most distinct and valuable variety. The shoots remain white, without earthing or artificial blanching, as long as fit to use.

10A—Pkt. 5 cts.

CONOVER'S COLOSSAL ASPARAGUS

A standard sort. Color deep green, quality first-class, spreads less than other varieties. Yields from 15 to 30 sprouts from a single plant. **11A—Pkt. 5 cts.**

PALMETTO ASPARAGUS

Mammoth in size, light green, regular in growth and appearance. Usually ready for market before other varieties.

12A—Pkt. 5 cts.

ASPARAGUS ROOTS (2 years old)

We strongly recommend raising Asparagus from the roots, especially the two-year-old, as when this is done, some very fine sticks of Asparagus can be gathered the following season.

13A—Price, postpaid, 25 for 60c.; 100 by express for 85 cts.; 1,000, by express, for \$6.00.

Home gardeners are often in doubt as to just how many Asparagus Roots they should plant in order to have a sufficient supply for the home table. 100 good two-year-old roots, properly planted, will insure enough Asparagus throughout the growing season for the average home.

WAX BEANS—DWARF

PENCIL POD BLACK WAX BEAN

The best of the dwarf, black-seeded, wax varieties. Early and very productive. Pods large, $6\frac{1}{2}$ to 7 inches long, round, straight and crease-backed; strictly stringless, free from fibre, fleshy and brittle; of highest quality; color very clear yellow. Plant growth exceptionally strong and vigorous.

20A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

DAVIS' WHITE KIDNEY WAX BEAN

An early, productive and attractive wax variety. Pods large and flat, $6\frac{1}{2}$ to 7 inches long, very uniform and extremely straight, stringy and fibrous and fair quality. Color clear bright yellow. Seed white and kidney shaped. A market gardener's sort.

21A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

DETROIT GOLDEN WAX BEAN

A Golden Wax bean of great merit; one of the earliest and best varieties for the home garden; pods about $4\frac{1}{2}$ to 5 inches long and almost straight; a prolific yielder; a good bean for northern climate.

22A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

K-H IMPROVED GOLDEN WAX BEAN

Probably the most popular of the wax varieties and one of the best. Very early and quite productive; pods 4 to $4\frac{1}{2}$ inches long, very stout, straight or slightly curved and oval in form; flesh brittle, stringless and of good quality; color bright yellow; seed white, much mottled brown.

23A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

WARDWELL'S KIDNEY WAX BEAN

A very popular, early, gardener's variety. Pods large, $5\frac{1}{2}$ to 6 inches long; moderately stout, straight and flat, fleshy, brittle, fine grained and nearly stringless. Of good quality and very attractive.

24A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

KIDNEY WAX (Burpee's New)

Resembles Wardwell's Kidney Wax, but pod is longer and thicker, though not so broad; fairly productive and of high quality; stringless, fibreless, very fleshy and brittle. Pods about 6 inches long and of an attractive clear yellow color; mid-season.

25A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

ROUND POD KIDNEY WAX (Brittle Wax)

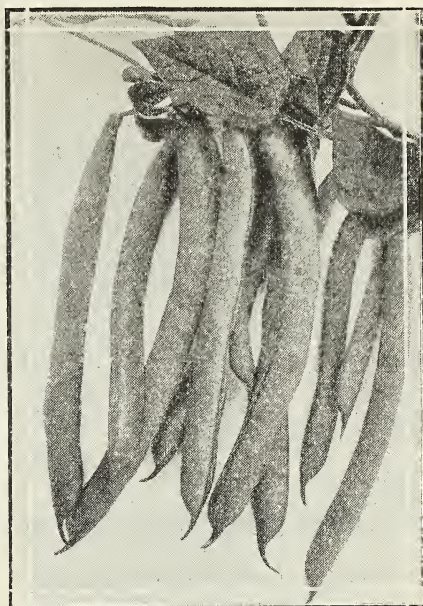
An excellent early, round podded, stringless variety of highest quality. Pods 5 to 6 inches long and of a light yellow wax-like color. Seed white with brownish-black eye.

26A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

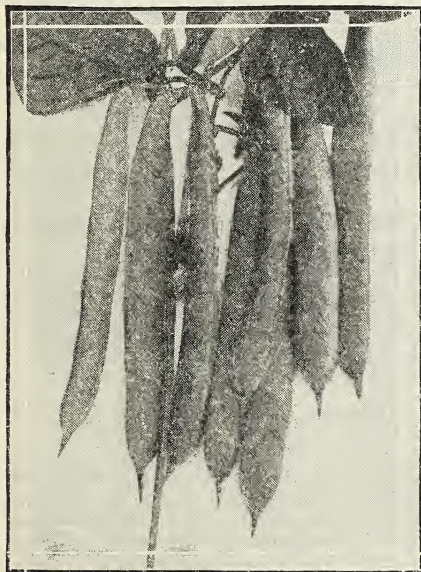
WHITE NAVY

The well-known small seeded pure white navy beans.

37B— $\frac{1}{2}$ lb. 10 cts.; 1 lb. 20 cts.; 5 lbs. 90 cts.



Pencil Pod Black Wax Bean



Stringless Green Pod Dwarf, 29A

GREEN BEANS—DWARF



K-H Improved Golden Wax Beans, 23A

BEANS—Pole Variety

KENTUCKY WONDER

This climbing variety is very vigorous and productive and bears its pods in large clusters. The pods are green, very long; often being 9 to 10 inches, nearly round, stringless and very crisp when young, and so fleshy that they are greater in width than breadth. The seed is long, oval, dun-colored. This is one of the very best early Pole Snap beans for the home garden or market.

33A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 35 cts.

GOLDEN CLUSTER WAX

An excellent Pole wax-podded sort; early, vigorous, hardy and productive. Pods $6\frac{1}{2}$ to 7 inches long, extremely straight and flat; very fleshy, fine-grained, attractive and of good quality; color light waxy-yellow. Beans, white, oval-shaped.

34A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 35 cts.

KENTUCKY WONDER WAX

One of the earliest of the pole wax beans. Pods 8 to 9 inches long, thick, decidedly crease-backed, very fleshy, brittle but stringy, attractive, fair quality; color light yellow.

35A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 35 cts.

LAZY WIFE

So named on account of the large number of pods it affords, making it easy to obtain a supply. One of the best varieties for snaps of the late green-podded pole beans. The pods grow in large clusters, are 5 to 7 inches long, broad, thick, fleshy, and entirely stringless. They have a rich, buttery flavor.

36A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

BOUNTIFUL

Best of the flat-podded stringless varieties. Pods $6\frac{1}{2}$ to 7 inches long, stout, flat and slightly curved; stringless, slightly fibrous, attractive and of fine quality; color light green. Very early, vigorous, hardy and productive.

27A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

FORDHOOK

FAVORITE

A new, white seeded, high quality bean. Pods are $5\frac{1}{2}$ to 6 inches long, straight, almost round, thick and meaty and showing marked depressions around the beans; strictly stringless and

medium green in color; medium early and productive.

28A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

STRINGLESS GREEN POD

The finest green pod, stringless bean. The earliest and hardiest of all green-podded sorts and produces large, handsome pods, some of which measure fully 6 inches in length.

29A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

LONG YELLOW SIX WEEKS

An old standard variety, very vigorous, hardy, productive and early. Pods 5 to 6 inches long, flat, light green in color, with more or less string, and of good quality.

30A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

EXTRA EARLY RED VALENTINE

Pods are usually ready to pick in about forty days from germination. Vine erect; pods medium length, curved, cylindrical, with crease in back, very fleshy, crisp and tender; seed long, of medium size.

31A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

TENNESSEE GREEN POD

(Brown Bunch)

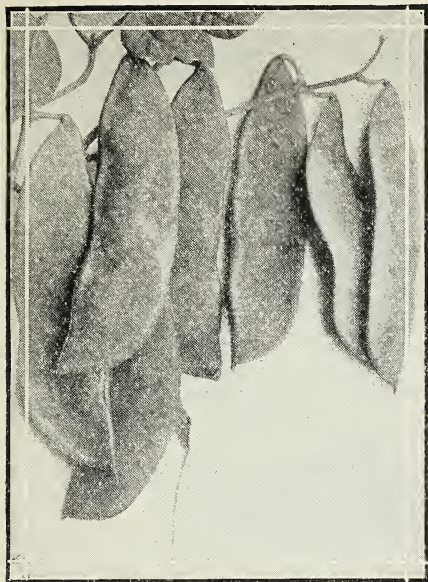
A very popular bean. Plant vigorous, hardy, mid-season and very productive. Pods are extremely large, 6 to 7 inches long, very flat, irregular in shape, dark green in color and of exceptionally fine flavor, and nearly stringless. Beans chocolate brown.

32A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

Bush

LIMA BEANS

Pole



Fordhook Bush Lima Bean. 43A

closely filled with short, almost round seed. The plant does not grow upright, but spreads or trails over the ground about three feet in diameter.

42A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb. 30 cts.

FORDHOOK BUSH LIMA

There are from three to five beans in each pod, with an average of four. The beans are round and thick, like those of Dreer's Bush, and have the same mild, delicious flavor.

43A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb. 30 cts.

K-H KING OF THE GARDEN CLIMBING LIMA

One of the best and most popular main crop varieties. It is medium early and has very long pods, 5½ to 6½ inches long which are well filled with four or five good-sized beans. The pods are very straight and handsome, and the fine, hardy vines bear abundantly.

44A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb. 30 cts.

LARGE WHITE POLE LIMA

The standard pole Lima. Vigorous, mid-season, productive. Pods 4 to 5 inches long, very flat, three to four seeded.

45A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb. 30 cts.

K-H BURPEE IMPROVED BUSH LIMA

This bean produces magnificent crops of pods, which measure from 5 to 6 inches by 1¼ inches wide. As compared with the original Burpee Bush Lima, the beans, either green or dry, are nearly twice as thick. The beans have the same luscious flavor as the best flavored Limas and are ready to use six to eight days earlier. It will outyield the Burpee Bush Lima by fully one-third, this greater yield being due to the increased size of pod and beans. The dried beans are very handsome and generally show a greenish-white coloring.

40A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb. 30 cts.

K-H HENDERSON'S BUSH LIMA

The earliest variety we have, being fully two weeks earlier than any other variety. Plant about 16 inches high and very prolific. Beans are small and are used for canning. Especially recommended for planting in the North and where the season is short.

41A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb. 30 cts.

DREER'S BUSH LIMA OR KUMERLE

A very prolific variety, a little later than Burpee's and having, short, thick pods,

COMPANION CROPS

Crops which may be planted together in the same space and occupy the same ground together are known as companion crops. Between the rows of early Cabbage may be planted Lettuce or Radishes. In the row with Onions, Parsnips or Carrots, Radishes may be sown thinly. Lettuce may be sown between Tomato plants. Radishes in rows between String Beans. Squash may be planted among early Sweet Corn. Onion Sets may be planted between the early Cabbages. Radishes, early Beets, early Carrots, early Turnips and bunch Onions, may be planted between Peas. Pole Beans may be planted with early Corn. Early Potatoes may be planted between Melon rows.

BEETS—And How to Grow Them



Detroit Dark Red Turnip Beet. 51A

Flesh exquisitely tender; color deep crimson,

50A—Pkt. 5 cts.; 1 oz. 10 cts.

DETROIT DARK RED TURNIP BEET

A superior variety for medium and late planting. Top small, upright growing; color of skin, dark blood-red; flesh, deep crimson; tender and very sweet.

51A—Pkt. 5 cts.; 1 oz. 10 cts.

HALF LONG BLOOD

Excellent second early and a good keeper. Roots deep red, half long and smooth, distinctly zoned.

52A—Pkt. 5 cts.; 1 oz. 10 cts.

CRIMSON GLOBE

A very handsome beet, Globe-shaped, very smooth and free from rootlets. Of medium size, with dark leaves on slender stems, ringed in a most beautiful way.

CROSBY'S EGYPTIAN, SELECTED

For an early crop the value of this handsome beet is generally recognized; the roots running very uniform in size and shape; color a rich red; very sweet.

53A—Pkt. 5 cts.; 1 oz. 10 cts.

SWISS CHARD

This type of beet is grown exclusively for its foliage. The midribs are silvery-white, thick and succulent and are cooked and served like Asparagus. The young leaves are dressed and boiled like Spinach.

54A—Pkt. 5 cts.; 1 oz. 10 cts.

HOW TO GROW BEETS

Beets thrive in a good rich sandy loam. They never do well when crowded; plant four to six inches apart in the row; room between the rows for cultivation; 18 to 24 inches is about the right distance. If beets are wanted extra early, they should be sown in hot-beds and transplanted; take off all outer leaves when transplanting. For winter use, sow a few rows of the turnip variety during June or July. These will make fine beets for storing in the cellar or pit. To insure beets retaining their firmness during storage, they should be imbedded in sand. To hasten the development of beets, fertilizer should be applied between the rows two or three times during the growing season; fertilizer in liquid form is best; beets do not develop woodiness when well fertilized.



GUARDITE GUARDS YOUR GARDEN

MANGEL WURZEL BEETS—For Dairy Cows

MAMMOTH LONG RED (The Old Favorite)

There is no other root crop grown which produces so large an amount per acre of desirable cattle food for winter use as the Mammoth Long Red Mangel. Under high cultivation, over 2000 bushels (50 tons) per acre have been grown. Our strain of Mammoth Long Red is exceptionally fine and expressly grown for us from selected, well-shaped roots. Has a distinct appearance; roots are massive, straight and regular in size, broad shouldered, small top, free from coarseness and of most excellent feeding and keeping qualities.

58A—1 lb. 30 cts.; 6 lbs. \$1.60
(sufficient for one acre).

GIANT DANISH SLUDSTRUP (Very High in Food Value)

The Danish government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all Mangels, having been awarded first class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled.

60A—1 lb. 30 cts.; 6 lbs. \$1.60 (sufficient for one acre).



GOLDEN FLESHED TANKARD (Record Milk Producer)

Roots large, ovoid, but filled out at top and bottom, terminating with a small tap root; flesh, deep golden yellow, solid, crisp, sweet and rich; excels all others in milk-producing qualities, and is very productive. It has no superior as a keeper. We have known Mangels of this variety to be kept sound and crisp, and in full flavor until June.

59A—1 lb. 30 cts.; 6 lbs. \$1.60
(sufficient for one acre).

GIANT FEEDING SUGAR BEET (Half Sugar White Mangel)

This magnificent Sugar Beet, while giving nearly as large a yield of easily grown and harvested roots as a crop of Mangels, supplies a food of very much higher nutritive value, the roots for feeding purposes being really more valuable pound for pound than those of the very

best strains of Sugar Beet; and the yield, under equally favorable conditions, is more than double. The roots grow partly out of the ground and because of this and their shape, the crop can be harvested and stored at less expense than any other root crop. Every farmer should try it.

61A—1 lb. 30 cts.; 6 lbs. (sufficient for one acre) \$3.25.

BRUSSELS SPROUTS

(Miniature Cabbage)

A species of cabbage family which produces miniature heads from the sides of the stalk. These heads are a great delicacy, boiled in the same way as Cauliflower. The seeds should be sown about the middle of May in a seed bed, and the plants afterward set in rows two feet or more apart, and cultivated like cabbage.

68A—Pkt. 5 cts.

HOW TO RAISE CABBAGE

Good Cabbage cannot be raised from poor seed. We offer only seed raised from parent plants especially selected for their trueness to type and high-yielding quality. Our seed should produce plants alike, right through the rows and all maturing together. Cabbage succeeds best in rich, deep, mellow soil. A good supply of manure and high cultivation are necessary to insure good solid heads. If possible, early cabbage should be planted on richer soil than the late varieties. Chicken manure is an excellent fertilizer for early cabbage; it should be applied around the hills when the plants are about half grown; it will hasten the development of the plants; make the heads firmer and development early. Sow early cabbage seed during February in greenhouse or hotbed; they will usually be ready for transplanting to the open ground by April. Late cabbage seed should be sown in the open ground about the middle of April and transplanted as soon as the plants are ready. Cabbage can always be improved by an application of commercial fertilizer.

CABBAGE—Early Varieties



75A—Large Early Wakefield (Charleston)

ALL SEASON CABBAGE

A very early variety with large deep heads and excellent quality. Equally good as early or fall cabbage.

70A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

EARLY JERSEY WAKEFIELD

One of the best and most popular varieties. Forms round, pointed heads of good size, is very hardy and on account of its thick outside leaves is able to resist cold and other unfavorable conditions to a great extent.

71A—Pkt. 5 cts.; 1 oz. 20 cts.; ¼ lb. 70 cts.

EARLY DWARF FLAT DUTCH

A good flat-headed variety, with a short stem and hard, firm head. Forms head early; is valuable for summer. **73A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.**

DANISH SUMMER BALLHEAD

The Danish Summer Ballhead cabbage follows early varieties, producing much larger heads of light green; hard and solid, interior leaves the purest white; of sweet flavor and crisp, tender texture. Long keeping. Resembles the Winter Danish Ballhead quite closely. **74A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.**

LARGE EARLY CHARLESTON WAKEFIELD

Is very similar to Early Jersey Wakefield, but nearly a third larger and a little later. **75A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.**

HENDERSON'S EARLY SUMMER

A desirable, medium sized, early flat-headed variety. A good keeper and does well in summer and autumn. **76A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.**

CHINESE or PETAIS (Celery Cabbage)

This is often called Celery Cabbage on the market, and when well grown, resembles Cos lettuce. It grows rapidly and matures heads in less time than other varieties. It can be sown much later than other varieties and requires no transplanting. The leaves, when young, are crimped and of a light green color. The plant, as it becomes older, grows more upright and forms heads much like Cos lettuce. The inner leaves blanch to an attractive light yellow or creamy white with very white midribs. It has a distinctive flavor, very mild and pleasant. It can be served as a salad like lettuce, or cooked like other cabbages. Chinese cabbage should be sown in this latitude at



Celery Cabbage

the same time as turnips, after the first of July. Early plantings run quickly to seed in hot weather. Sow in drills 14 to 20 inches apart, and thin the seedlings two or three times; or, if grown for the market, start in boxes and transplant like late cabbage.

83A—Pkt. 5 cts.; oz. 20 cts.

ALL HEAD EARLY CABBAGE

Probably the earliest of the large, flat-headed varieties. Is good for summer, autumn and winter crop. Desirable for all sorts of planting.

72A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

CABBAGES—Main Crop Varieties



K-H DANISH BALLHEAD OR HOLLANDER

Heads hard, solid, tender and crisp. The leading late sort. Danish Ballhead is more extensively grown than any other late variety, and commands a higher price on the market. It is remarkable for the solidity of its heads and long-keeping qualities. The heads are of medium size, measuring from eight to ten inches in diameter, with few outer leaves, admitting of close planting; exceedingly fine-grained, hardiest of all; tender, crisp, solid, with no waste heart. Under fair conditions will average six pounds per head.

78A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 90 cts.

SUREHEAD

All head and always sure to head. This is an exceptionally fine late cabbage of the Flat Dutch type but with the outer leaves of more upright growth. Heads are large, round and flattened, very hard and fine-grained; splendid keeper.

82A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

K-H PREMIUM LATE FLAT DUTCH

A justly popular and esteemed variety; extensively cultivated for market and family use. Heads large, round, flattened and very firm; has a medium stem and is very hardy.

80A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

K-H COPENHAGEN MARKET

A new early variety, which will be very popular with market gardeners. It is the finest large, round-headed, early cabbage in cultivation. It is further desirable on account of the remarkable characteristic of maturing the heads all at the same time, enabling the grower to gather the crop with less expense and permitting the cleaning of the land at the first cutting. The heads average about ten pounds each in weight, are hard and solid with small core. The quality is extra fine and sweet. It matures as early as the Wakefields and will yield more to the acre in weight. It is a short-stemmed variety, the heads nearly resting on the ground. The leaves are light green, rather small, saucer-shaped and tightly folded, making it possible to set them close together in the field.

77A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

SUCCESSION

One of the best of cabbages; heads very large and somewhat flat; ten days later than Early Summer.

81A—Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 70 cts.

RED ROCK

The largest and surest heading red cabbage; more deeply colored at the heart than Red Dutch; medium to long stem.

79A—Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 90 cts.

CARROTS—Popular Garden Varieties

GUERANDE OR OXHEART

This fine and very popular Carrot is intermediate as to length, between half long varieties such as Danvers, and the Scarlet Horn; but much thicker than the latter, being at the top from four to five inches in diameter. Flesh bright orange, fine-grained and sweet. It is of very fine quality for table use. A heavy and profitable cropper, and we cannot recommend it too highly.

90A—Pkt. 5 cts.; oz. 10 cts.

K-H CHANTENAY

As a table variety it is first-class; in shape it is larger than the Scarlet Horn, and also broader at the shoulder. Flesh is of a beautiful rich orange color and of the finest quality. It is medium early, with small tops. Roots taper slightly, but are uniformly stump-rooted.

91A—Pkt. 5 cts.; oz. 10 cts.

IMPROVED DANVERS HALF LONG

A very beautiful carrot. A first-class carrot for all soils. In form midway between the Long Orange and the Short Horn. The root is of a rich, dark orange color and grows very smooth and handsome; 20 to 30 tons per acre not being an unusual crop.

92A—Pkt. 5 cts.; oz. 10 cts.

HALF LONG SCARLET NANTES (Stump Rooted)

Tops of medium size; roots cylindrical, smooth, bright orange; flesh becoming yellow in center, but with no distinct core. Of the finest quality, and one of the most symmetrical and handsome of the medium sized carrots; excellent for the market or home garden.

93A—Pkt. 5 cts.; oz. 10 cts.

IMPROVED LONG ORANGE

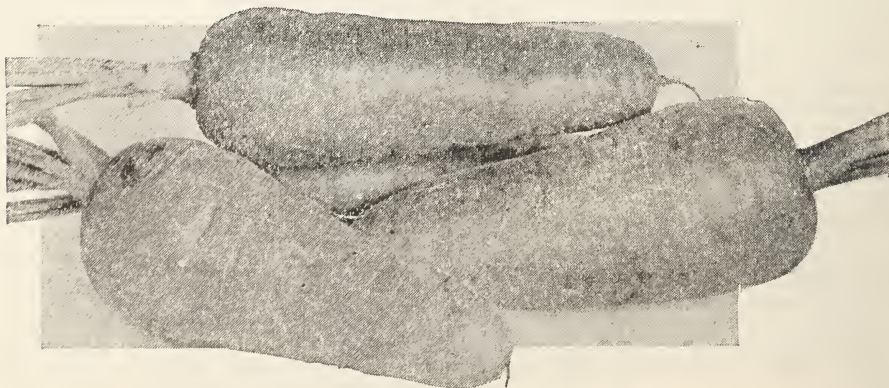
A standard late variety of great merit, very handsome and uniform in shape, roots are a rich deep orange color, good flavor, and yields very heavily. Sow in a deep soil, thinning to six inches apart in eighteen-inch drills for roots to attain their full size.

94A—Pkt. 5 cts.; oz. 10 cts.

K-H EARLY SCARLET SHORT HORN

One of the most popular varieties grown. Color, deep orange; flesh, fine-grained and of agreeable flavor; tops small; has a short stump-shaped root; grows well in shallow soil; one of the best for early out-door planting and for table use.

95A—Pkt. 5 cts.; oz. 10 cts.



Improved Danvers Half Long. 92A

CELERY

K-H PARIS GOLDEN SELF-BLANCHING

Plants of a yellowish green color when young, but as they mature the inner stems and leaves turn a beautiful golden yellow, which adds much to their attractiveness and makes the work of blanching much easier. The handsome color, crispness, tenderness, freedom from stringiness, and fine nutty flavor make it only necessary to be tried in order to establish it as a standard of excellence as an early sort. Paris Golden is rapidly becoming a leading favorite of gardeners.

100A—Pkt. 5 cts.; oz. 50 cts.

WHITE PLUME

A very early, hardy variety, easy to grow, and one of the best for the West. The stalks, heart and portions of inner leaves are white naturally and "earthing up" completes the blanching perfectly. Looks well on the table; is crisp, succulent and fine flavored.

101A—Pkt. 5 cts.; oz. 50 cts.

GIANT PASCAL

For the market gardener this is the most profitable celery for fall or winter use. This is a green-leaved variety, developed from the Paris Golden; it is somewhat larger and taller and its fine nutty flavor is free from any bitter taste. It grows about two feet high, and the stalks are broad, thick and crisp, blanching with but slight earthing-up very quickly.

102A—Pkt. 5 cts.; oz. 45 cts.

K-H WINTER QUEEN

It is one of the very best late varieties; strong grower, thick ribbed. Blanches a beautiful creamy white. Ribs are solid, crisp, and have a delicious nutty flavor.

103A—Pkt. 5 cts.; oz. 45 cts.

LARGE EARLY ERFURT (Celeriac)

Roots of large size, rounded and clean-skinned, with a small neck.

104A—Pkt. 5 cts.; oz. 20 cts.

LARGE SMOOTH PRAGUE

One of the largest; smooth and almost spherical.

105A—Pkt. 5 cts.; oz. 20 cts.



K-H Paris Golden Self Blanching. 100A

CAULIFLOWER

K-H DANISH GIANT OR DRY WEATHER

This variety is about ten days to two weeks later than our Snowball and Dwarf Erfurt. It is of dwarf growth, producing very large, stone-hard and snow-white heads, fully protected by the foliage. As indicated by the name, it is especially fit for dry and hot weather climates, or for sections subjected to long, dry seasons, being a sure header when all other sorts fail. It cannot be forced, but in cultures or open ground, this Cauliflower gives the highest yield.

110A—Pkt. 5 cts.; oz. \$1.50.

K-H HENDERSON'S EARLY SNOWBALL

Its dwarf habit and short outside leaves allow it being planted very closely together. An extremely early variety producing magnificent white heads of finest quality. For market gardeners' use, it is one of the most profitable. Excellent for table use.

111A—Pkt. 5 cts.; oz. \$1.50.

EARLY DWARF ERFURT

One of the popular varieties used in this section for the market garden. Plants are compact with few narrow, upright leaves, making it especially valuable for close planting and large yields. Heads are extra large in size, pure white and averaging eight to nine inches in diameter. Market gardeners will find this variety runs very even in size.

112A—Pkt. 5 cts.; oz. \$1.50.

CUCUMBERS



K-H Chicago Pickling Cucumber. 120A

K-H CHICAGO PICKLING

A most excellent pickling sort; very uniform, productive and of good color. Our strain is much superior to stocks generally sold under this name.

120A—Pkt. 5 cts.; oz. 10 cts.

DAVIS' PERFECT

An extra long, dark green type of White Spine; retains its color and good qualities long after being picked; fruit is exceptionally long, smooth, and tapering at both ends; flesh crisp, solid, with few seeds; mid-season.

121A—Pkt. 5 cts.; oz. 10 cts.

K-H EARLY FORTUNE

The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance.

122A—Pkt. 5 cts.; oz. 10 cts.

EARLY FRAME OR SHORT GREEN

Vigorous and productive; medium in size and earliness; good for pickling and slicing; fruit light green and is inclined to be three-sided rather than round.

123A—Pkt. 5 cts.; oz. 10 cts.

K-H IMPROVED LONG GREEN

It is one of the handsomest and best long green we know of. A very heavy cropper, the fruit being large, of a dark green color, and extra solid. The flesh is a beautiful white, crisp, with a delicious flavor; this, with firmness of the flesh, for which this strain is remarkable, renders it unequaled for pickling purposes, and when ripe, the very best for sweet pickles.

124A—Pkt. 5 cts.; oz. 10 cts.

EXTRA EARLY WHITE SPINE

The earliest type of White Spine cucumber in cultivation, and one of the most prolific varieties. The fruits are large and symmetrical in shape, and of a rich dark green color, which is permanent. The flesh is pure white, firm and crisp, with comparatively few seeds, and is unsurpassed for quality. This is an ideal forcing variety and succeeds equally well when planted outdoors.

125A—Pkt. 5 cts.; oz. 10 cts.

CRESS or PEPPERGRASS

NATIVE OF PERSIA

An annual early vegetable used as a salad and for garnishing, and of the easiest culture. It should be sown very early in the spring in the hotbed or outdoors in rows one foot or less apart.

115A—Pkt. 5 cts.; oz. 10 cts.

WATER CRESS

NATIVE OF EUROPE

A perennial. This is an aquatic plant, with long stems which readily take root in moist soil or water. It is esteemed for use as a salad on account of its pleasant pungent flavor.

116A—Pkt. 5 cts.

SWEET CORN

K-H PEEP O' DAY

(Extra Early)

The earliest of all sweet corn, and on this account especially adapted to Northern latitudes where other varieties are hard to grow. It is pure white in color, tender, juicy and sweet. It is perhaps the best kind for the home garden, owing to its earliness. Almost everyone looks forward to their first picking of sweet corn, and if you put in a batch of Peep O'Day you certainly will be able to satisfy your desires for early corn.

130A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

EARLY MINNESOTA

A standard early sort of excellent quality, especially desirable where seasons are short. The ears bear 8 to 10 rows of large white grains. This variety is popular on account of its great productiveness. Excellent for market, home or canning use.

131A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

K-H GOLDEN BANTAM

(Extra Sweet)

The most popular of all the early sweet corns. The demand for Golden Bantam is enormous, and great difficulty is experienced by seed houses in keeping the supply equal to the demand. It is rapidly taking the place of the white and older varieties on account of its superior quality. Golden Bantam is the richest in flavor of all the sweet corns. Its pale creamy yellow kernels are delicious and sweet.

132A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

K-H Golden Bantam. 132A

STOWELL'S EVERGREEN

The standard and best known sweet corn. Ears 8 to 9 inches long. 16 to 18 rowed, with a very deep, sweet grain. Our strain of this variety is noted for its uniform deep grain, small cob and high quality.

133A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

K-H COUNTRY GENTLEMAN

This variety is often called the "shoe peg" corn, owing to the arrangement of the crowded kernels, which are long and very sweet. Our seed of this variety has been carefully selected and is true to name. It is nearly as sweet as the Peep O' Day and is far ahead in flavor of any of the late varieties. It remains tender and fit for use longer than most sorts, as the ear is enclosed in a thick husk which keeps it "in the milk." The ears

(Continued on next page)

SWEET CORN (Continued)

average 9 inches in length and are borne from two to five and sometimes six on each stalk. The cob is small and very closely packed from tip to butt with tender, pure white kernels of the finest quality. If you try this variety you will like it.

134A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

EARLY EVERGREEN

This is a very popular sweet corn. It is in the second early class, comes to maturity fully 10 to 12 days earlier than Stowell's Evergreen and yields large, handsome ears of most delicious flavor. It has a ready sale on the market on account of its handsome appearance and earliness.

135A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

HOWLING MOB

This variety originated at Toledo, Ohio; and its queer but appropriate name has reference to the loud and clamorous demand for the corn when brought to the market. The stalks are usually about five feet in height and produce early in the season two splendid ears to a stalk. The ears are 7 to 9 inches in length and are well covered with a heavy husk, affording protection from the green worms which so often are destructive to early varieties. There are 12 to 24 rows of good sized white kernels.

136A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.; 5 lbs. \$1.00.

SWEET CORN SHOULD BE STARTED IN WARM SOIL

Sweet Corn seed is very sensitive to cold conditions of soil and climate. It should never be planted until the soil has become nicely warmed by the early summer sun and rain. Sweet Corn, planted in cold soil, will not germinate freely; sometimes 50 to 75 per cent of the seed will rot in the soil; on the other hand, the same seed planted in nice warm soil will produce a 100 per cent stand of fine healthy plants.

To insure extra early Sweet Corn, plant a few kernels in pots in a hotbed and transplant as soon as weather conditions are favorable; before transplanting, thoroughly water the plants so that they can be removed without disturbing the soil around the roots.

POP CORN

IMPROVED WHITE RICE

This is the original well-known variety of White Rice, and more extensively used than any other variety. Our stock of this pop corn is true to name, and can be depended upon to give entire satisfaction.

145A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 25 cts.

JAPANESE HULLESS

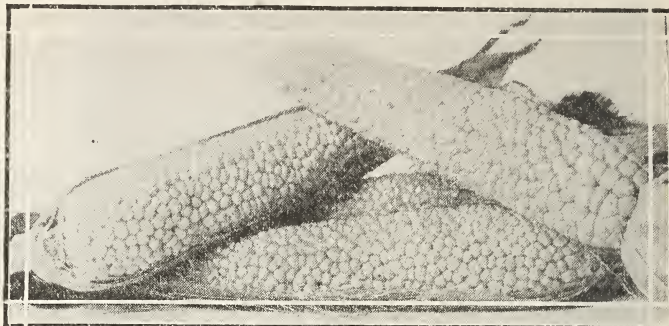
The Japanese Hulless Pop Corn is the latest improvement along pop corn lines. It is gaining for itself a great reputation. Pop corn men claim that one pound of this corn is equal to two pounds of any other kind, due to its immense popping qualities. Our stock of this seed has been especially raised for us by an expert grower of pop corn, and you can therefore depend upon getting the genuine, when ordering from us.

146A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 20 cts.

IMPROVED TOM THUMB

This is a great improvement on the White Rice. The ears are about one-half the length, but they produce about as heavily in bushels as the White Rice. This is a good popping variety.

147A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 20 cts.



K-H Country Gentleman Sweet Corn. 134A

VEGETABLES AND HERBS

DANDELION FOR SALADS IMPROVED BROAD LEAF

A distinct, very early variety, forming a rosette of large, broad leaves.

150A—Pkt. 5 cts.

IMPROVED THICK LEAF

One of the best, forming a regular tuft of rather upright growth, blanches readily.

151A—Pkt. 5 cts.

EGG PLANT

NEW YORK IMPROVED PURPLE (Spineless)

The favorite market variety. Plant large, spreading and spineless, producing 4 to 6 large oval fruits of dark purple color.

155A—Pkt. 5 cts.

BLACK BEAUTY

Earlier and nearly as large as New York Purple; fruit very dark purple, which holds its color for a long time.

156A—Pkt. 5 cts.

ENDIVE

BROAD LEAVED BATAVIAN

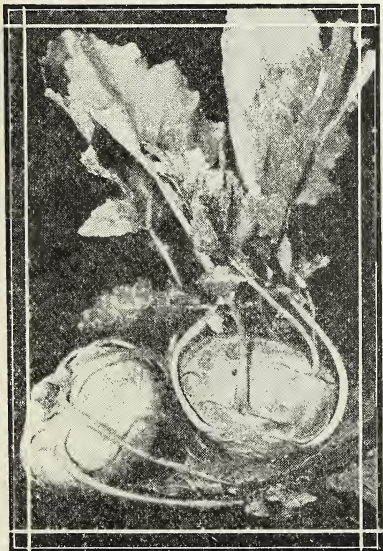
Leaves are broad, thick, green, more or less twisted and waved with white midribs. It forms large hearts, which, when blanched, form one of the best winter salads. Crisp, tender and of fine flavor.

160A—Pkt. 5 cts.

GREEN CURLED

Has very curly leaves, the midrib being white and blanched, and the outer edges very much indented and crested. A very attractive plant and one of the very best varieties.

161A—Pkt. 5 cts.



K-H Early White Vienna Kohl Rabi

ORNAMENTAL GOURDS

ORNAMENTAL—CLIMBER

Quick growing vines; excellent for covering arbors, walls and waste places. Gourds grow in very curious shapes and are used for house ornaments.

165A—Pkt. 5 cts.

HERBS

There is always room in your garden for a few pot herbs. The leaves and stems may be used for flavoring during the summer, or the young stems gathered, tied in bunches and dried for winter use.

170A—Anise. 171A—Sweet Basil. 172A—Coriander. 173A—Dill. 174A—Large Sweet Fennel. 175A—Hoarhound. 176A—Lavender. 177A—Sweet Marjoram. 178A—Sage. 179A—Thyme. Any Herb seed, 5 cts. per packet.

KALE

K-H DWARF CURLED

This is more hardy than cabbage and makes excellent greens for winter and spring use. The leaves are curly, bright green, very tender and delicate in flavor. Sow seed in May or June, transplant in July and cultivate same as cabbage. For early spring use, sow in September and protect it over winter with a covering of straw or litter.

180A—Pkt. 5 cts.; oz. 10 cts.

KOHL RABI

K-H EARLY WHITE VIENNA

The edible part of this plant is the bulb, which grows on a stalk a few inches above ground. Sow the seed in drills, allowing 16 to 18 inches between the drills, and thin to 4 to 6 inches apart in the row. First sowing may be made as soon as the ground can be worked in the spring, and successive sowings repeated later. When young and tender, they are fine for table use; when matured, they keep splendidly and are excellent for stock. Greenish white outside with clear white flesh; smooth short leaf, good for forcing; extra fine in quality. One ounce of seed will sow 300 feet of drill. Matures in 8 to 10 weeks.

181A—Pkt. 5 cts.; oz. 10 cts.

LEEK

K-H LARGE AMERICAN FLAG

The Leek is generally considered superior to the onion for soups, being of milder and more agreeable flavor; it is very hardy and easily cultivated. Sow in drills, one foot apart in April, and transplant when large enough in rows 30 inches apart and 6 inches from plant to plant. Plants should be set 5 inches deep in rich, moist soil. One ounce of seed will produce about 1,000 plants.

183A—Pkt. 5 cts.; oz. 20 cts.

LETTUCE

HEAD VARIETIES

BIG BOSTON

The most popular variety for every purpose on the market. Give equally good results under glass or in the open. Of the head types it is easily the leader. Leaves are light green and very tender. Our strain of this variety is unsurpassed.

185A—Pkt. 5 cts.; oz. 15 cts.

IMPROVED HANSON

Heads large, fine form, deliciously sweet, tender and crisp; color green outside and white within. Intermediate between the loose-leaved and heading varieties.

186A—Pkt. 5 cts.; oz. 15 cts.

MAY KING

A large light green heading lettuce which is giving excellent satisfaction. Grown outdoors it is extremely early, maturing handsome heads of good size and quality and solid enough to make it a good shipper to distant markets. For forcing under glass it is most desirable. A first-class all-purpose variety.

187A—Pkt. 5 cts.; oz. 15 cts.

WAYAHEAD

A very early variety of handsome appearance and fine quality. The outer leaves are a light green with the inner head finely blanched to a rich buttery-yellow.

188A—Pkt. 5 cts.; oz. 15 cts.

K-H NORTHERN KING

This lettuce is without doubt the best of the heading varieties. The heads are of medium size, hard, and sweet. Our Northern King withstands adverse conditions of climate better than any of the other heading kinds. The inner leaves blanch to a beautiful golden-yellow, making them very attractive on the table. Very quick growing.

189A—Pkt. 5 cts.; oz. 15 cts.

LOOSE LEAF VARIETIES

BLACK SEEDED SIMPSON

One of the best, either for forcing under glass or for open ground cultivation. It forms large, thin, loose leaves of light green color; very tender, crisp and of fine quality. A fine sort for summer, as it withstands the heat; also good for the home garden.

190A—Pkt. 5 cts.; oz. 15 cts.

GRAND RAPIDS

As a lettuce for forcing, this variety stands at the head of the list, being of quick growth, hardy, and remaining in condition several days after being fit to cut. The plant is upright and forms a loose cluster of large, thin, bright green leaves, savoyed, finely crimped at edges.

191A—Pkt. 5 cts.; oz. 15 cts.

PRIZEHEAD

A large, loose headed, thin leaved sort. The very large leaves are crimped, bright green, tinged on the edges with reddish-brown and are crisp and sweet.

192A—Pkt. 5 cts.; oz. 15 cts.

K-H NORTHERN QUEEN

To our customers requiring a really good, loose-leaf lettuce, we strongly recommend our Northern Queen. It's a rapid grower: leaves are very tender and sweet; color is an attractive yellowish-green; the plants are of good size and shape, making them attractive as a market garden variety. Our Northern Queen is a good variety for growing under glass.

193A—Pkt. 5 cts.; oz. 15 cts.

PARIS WHITE COS OR CEL- ERY LETTUCE

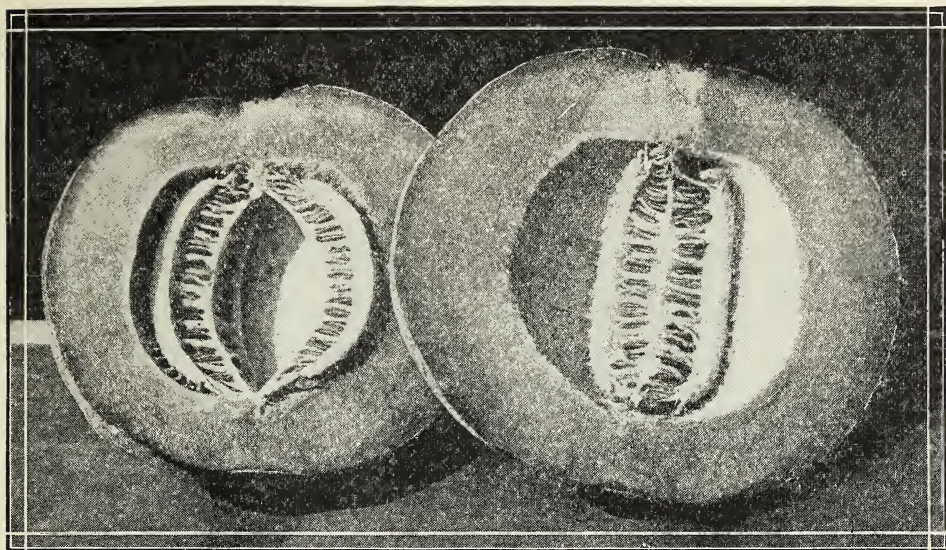
A very distinct variety of lettuce, having large, elongated, compact heads, that blanch mild and crisp. The plants are of erect growth, forming a tall, slightly oblong bunch of large, crisp leaves.

194A—Pkt. 5 cts.; oz. 15 cts.



Big Boston Head Lettuce. 185A

MUSKMELONS



JOHNSTON'S GOLDEN HEART MUSKMELONS

Melons will weigh from 7 to 18 pounds each. Flesh is rich golden color.

J. D. Johnston of Waterloo is known in this territory as the Melon King. Every year he raises thirty to fifty acres of melons for the market. He is a very keen grower, has been raising melons for thirty years and knows all the good ones. Mr. Johnston says he has been working on his Golden Heart muskmelon for years to get it in shape for the market. He claims it is the earliest muskmelon for the North, being at least ten days earlier than any other. The flesh is a rich deep golden color, of delicious flavor and very sweet. The fruits, which are both round and oblong in shape, are borne on exceptionally strong vines which are practically disease-resisting. We purchased Mr. Johnston's entire crop of Golden Heart muskmelons as we were anxious to give our customers an opportunity to secure some of this delicious fruit. We have tried these fine melons ourselves and don't hesitate to pronounce them the most delicious we ever tasted. Every home garden should have a patch of Golden Hearts this season; they will be heartily appreciated by everyone who grows them.

210A—Pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

BURRELL GEM MUSKMELON

A superior new orange-fleshed shipping melon. Of splendid flavor, sweet and aromatic, oblong shape, smoothly rounded ends, closely netted and slightly ribbed; dark green skin. Rind thin but very tough; flesh exceptionally deep rich salmon-orange color. Fruits average six inches long by four inches deep. Very fine for marketing.

200A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

BANANA MUSKMELON

This curious melon attains a length of 15 to 20 inches, and from 4 to 6 inches in diameter. The salmon-colored flesh is thick and of a delicious flavor.

201A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

MONTREAL GREEN NUTMEG (Montreal Market)

Excellent; very large, often weighing 18 to 20 pounds; fruit round, flattened at both ends, light green, deeply ribbed and well netted; flesh remarkably thick and of superior quality.

203A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

MUSKMELONS (Continued)**K-H HOODOO (Heart of Gold)**

The flesh of the Hoodoo Muskmelon is fine-grained and sweet; deep orange in color and extremely thick, with a very small seed cavity. Fruits are nearly round in shape and about the size of the Rockyford. The Hoodoo is a splendid melon for the market and hotel trade. As a shipper it cannot be surpassed. It is a wonderfully prolific sort of muskmelon, and a great favorite when introduced and thoroughly tried. We cannot recommend it too highly.

202A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

K-H TIP TOP

The melons are round in form, of large size, evenly ribbed, moderately netted and very productive. It is sweet, juicy and delicious. The flesh is firm, but not hard, and is edible almost to the rind. It is a strong grower, heavy yielder and of handsome appearance and is one of the best of the orange-fleshed sorts. Well suited for both the home garden and the market.

204A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

OSAGE OR MILLER'S CREAM

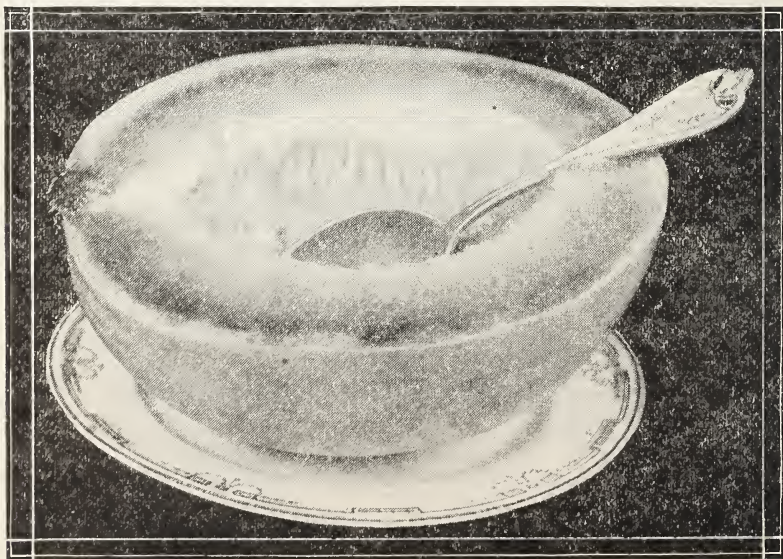
Fruit medium sized, oval, slightly ribbed, dark green in color, banded with lighter streaks, covered more or less with shallow netting. The flesh is deep salmon color and very thick, there being but a slight cavity in the center of even the largest fruit; the quality is exceptionally fine.

207A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

K-H HONEY DEW

Honey Dew is a new type of muskmelon. The color is dull white when ripe, size about six inches in diameter from top to bottom and seven to eight inches long, all melons being nearly the same size. Weight averages eight to ten pounds. The Honey Dew muskmelon has no netting, but the rind, though thin, is very tough and so close that the excellent flesh is practically sealed up and it keeps in fine condition for two to three months after the crop is gathered. Color of flesh a rich green from close to the rind to the seed cavity and the flavor delicious to all who enjoy a good muskmelon. It has the sweetness of honey and the freshness of morning dew. We recommend sowing the seed in the northern states in pots or cold frames after April 15th, so that established plants may be ready for setting in the open ground June 10th to 20th.

209A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.



K-H Honey Dew Muskmelon. 209A

MUSKMELONS (Continued)

K-H GOLD LINED ROCKYFORD

This is the most popular of the small melons, being extensively grown and shipped in carloads for the markets. It is one of the finest early melons, and one of the best for market gardeners and shippers, and for the home garden. It is oval in shape, slightly ribbed, and covered with a coarse netting. The flesh is thick, green in color, very sweet and juicy, and solid clear to the rind.

206A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

K-H ROCKYFORD CANTALOUPE (Rust Resistant)

Under favorable conditions, when other strains rust badly, the vines of this strain remain green and thrifty, continuing to blossom and set on fruits. The value, owing to this quality, is great; as in many localities, rust often destroys the crop, and when other strains have lost their quality on account of rust, this strain continues to ripen melons of the highest quality. It yields a heavy crop, continuing long in bearing.

208A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.

PAUL ROSE OR PETOSKEY

This is a cross of the Osage with the Netted Gem. The fruits are nearly round or slightly oval, ribbed and heavily netted; of a light green or faint golden hue when fully ripe. The flesh is thick, of deep orange color, and ripens close down to the rind with small seed cavity. It is an excellent shipping variety.

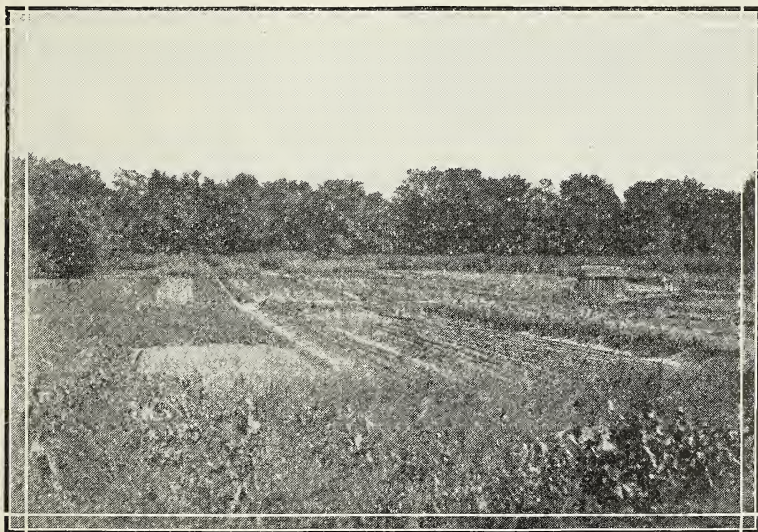
205A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

MUSTARD

SOUTHERN GIANT CURLED MUSTARD

Plant vigorous and hardy, of upright spreading growth; leaves large, light green-tinged yellow, much crumpled and frilled at the edges. The popular market variety in the South; seed small, dark reddish-brown.

235A—Pkt. 5 cts.; oz. 15 cts.



AN IDEAL IOWA GARDEN

WATERMELONS

COLE'S EARLY

This is one of the earliest melons and a very hardy, sure cropper; medium size, slightly oblong shaped; rind green, striped with lighter shades; flesh dark red.

220A — Pkt. 5 cts.; oz. 10 cts.;
¼ lb. 25 cts.



DIXIE

Fruit is large and oblong in form, from 22 inches to 24 inches in length; skin dark green striped with a lighter shade. Flesh bright scarlet; ripens closely to the rind. Excellent keeping qualities.

221A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

K-H HALBERT HONEY

Claimed by the originators to be the finest of all watermelons for the home garden and for local markets. It fully equals the Kleckley Sweet in superb, luscious flavor, and fruits are more even and regular in outline, with a darker, richer colored skin. The vines are of strong, vigorous growth and set fruits very freely. Will ripen choice fruits even in the northern states if planted in a good location. The melons average 18 to 20 inches in length and are full or bluntly rounded at both ends. The skin is a dark, glossy green. The flesh is a good flavor. One of the best to grow in the North, and being so good it is one that should be in every garden.

222A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

PEERLESS OR ICE CREAM

An early variety of good flavor. One of the best to grow in the North, and being so good it is one that should be in every garden.

223A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

K-H KLECKLEY SWEET (Monte Cristo)

This splendid, sweetest and most delicious watermelon has become very popular wherever it has been given a thorough test. While the skin is perhaps too thin to admit of melons being shipped very great distances to market, it is most desirable to plant for home use and for local markets.

K-H Kleckley Sweet Watermelon—A Delicious Variety. 224A

The melons are very large, oblong in form, averaging 18 to 20 inches in length by 10 to 12 inches in diameter, of a dark green color. The flesh is a bright scarlet, with broad, solid heart. Crisp, sugary and free from stringiness.

224A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

RATTLESNAKE

Has long been a popular melon with shippers. It is a long melon, having a white rind, with dark green stripes. Flesh of excellent flavor.

225A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

K-H SWEETHEART

This very popular melon is one of the best. It is an entirely distinct and handsome watermelon. Fruits large and heavy, of oval or round form. Skin very pale green, with distinct netted lines of a slightly darker shade. Flesh deep rich red, solid, crisp and deliciously sweet. The large, handsome fruits bear shipping well. The melons retain their good qualities for a long time after ripening and being gathered.

226A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

TOM WATSON

Probably the best shipping melon, and one of the best main crop sorts; grows a very large size. Fruits large and long in shape, colored a medium green with a light tracing of a darker shade, not unlike Peerless in its coloring; flesh rich red and of good quality; seeds white. We have a very fine selection of the seed of this melon.

227A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

OKRA

CITRON



White Velvet Okra or Gumbo. 238A

OKRA (or Gumbo)

LONG GREEN OKRA

The pods are 3 to 4 inches long, deep green in color, and when young are absolutely stringless. Every home garden should have this variety, as should also the market gardener.

237A—Pkt. 5 cts.; oz. 10 cts.

WHITE VELVET OKRA

On account of its attractive white color, good flavor and tender pods when quite young, it has long been a favorite variety.

238A—Pkt. 5 cts.; oz. 10 cts.

CITRON

RED SEEDED CITRON

Small, dark rind, round melon, used for jam and preserving. It has an excellent flavor.

230A—Pkt. 5 cts.; oz. 10 cts.

ONION SETS

We have a very fine stock of onion sets, all especially screened and in good condition; however, order early as our stock is limited. Onion sets will produce an onion crop much quicker than seeds.

ONION SETS WILL BE SHIPPED AS EARLY AS WEATHER CONDITIONS WILL PERMIT.

235A—RED: 1 lb. 15 cts.; 3 lbs. 40 cts.; 6 lbs. 75 cts.

254A—WHITE: 1 lb. 15 cts.; 3 lbs. 40 cts.; 6 lbs. 75 cts.

255A—YELLOW: 1 lb. 15 cts.; 3 lbs. 40 cts.; 6 lbs. 75 cts.

**ASK FOR PRICES ON
LARGER QUANTITIES**

ONION POINTERS

Onions require good, rich land, free from weeds. Onions also require a firm seed bed. To insure this, it is a good plan to roll or tramp the rows after seeding. Good onions will not develop when the plants are crowded. Careful attention should be given to the thinning of the young plants in the rows; this should be done as soon as the seedlings are large enough to handle. Sow onion seed as soon as the ground can be worked. Get seed bed worked as fine as possible. Sow seed in rows 15 to 18 inches apart. About 20 seeds to a foot of row will insure a nice stand of onions. Four to five pounds of seed at this rate will seed one acre. The largest varieties of onions can be successfully raised in the northern states by sowing the seed in hotbeds and transplanting to the open ground as soon as soil and weather conditions permit. Before setting out the young plants it is a good plan to cut them back a little, also prune the roots. If this is done the plants will develop quickly when transplanted.

ONIONS

RED WETHERSFIELD

It is an enormous yielder, producing anywhere from 600 to 900 bushels per acre. The skin is a deep purplish red; flesh, pure white. The handsome bulbs often weigh up to two pounds each. It probably has a larger sale than any other red skinned onion. It matures early and the flavor is good and mild. Just the onion for boiling. A leading variety in all sections.

240A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.75.

K-H PRIZETAKER

The handsome, largest yellow globe onion. A good keeper, of finest flavor, handsome shape and enormous size, many single onions having been raised to weigh five pounds or over from seed the first year. The Prizetaker grows always to a perfect globe shape with a bright straw-colored skin.

241A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.75.

RICE'S WHITE PICKLING

A desirable, small, white pickling onion and the best of its class; the bulbs run very uniform in size, small and of a distinct bright, pearly-white color; mild in flavor and makes a good bunching onion.

242A—Pkt. 5 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; 1 lb. \$2.20.

SOUTHPORT RED GLOBE

The finest type and most popular of red onions. The bulbs are distinctly globe-shaped, with a small neck, and are excellent keepers; color, a deep purplish red. We have an unequalled strain of this variety.

243A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.75.

SOUTHPORT YELLOW GLOBE

The most largely grown yellow market onion and the most profitable. The bulbs are a deep globe, having a small neck and heavy, thick skin which makes it an excellent storage sort; the color is a deep yellow or golden-brown, quite distinct from most stocks of this variety. The flesh is white, crisp and mild in flavor.

244A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.75.

SOUTHPORT WHITE GLOBE

Of the true Southport Globe form with a thin, delicate skin of purest paper whiteness; flesh is very crisp, fine-grained and snowy-white in color, and exceedingly mild; usually

commands the highest price in the market. This seed is produced for a fancy trade from the most perfect bulbs.

245A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.75.

MAMMOTH SILVER KING

In appearance the most striking onion grown. We hardly know which to recommend the most, its large size, symmetrical appearance and beautiful silvery flesh, or its sweetness, tenderness and mild flavor. These qualities make it the best for exhibition and fancy high-priced trade. In the North the seed should



A Basket Full of Prizetaker Onions. 241A

ONIONS (Continued)

be started in frames early and transplanted about the time other onion seeds are being sown.

246A—Pkt. 5 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; 1 lb. \$2.20.

DANVERS YELLOW GLOBE

A large, early variety, an abundant cropper, very thick bulb, flat with slightly convex bottom fine full oval top, with a small neck and rich, brownish-yellow skin; just the onion for critical growers. It is an excellent keeper and perhaps the best paying onion that is grown for general crop. It has been the leading variety for years. If you want to grow a fine crop of these handsome onions, get our specially selected seed. It is absolutely the best you can buy, and we guarantee you will be delighted with it.

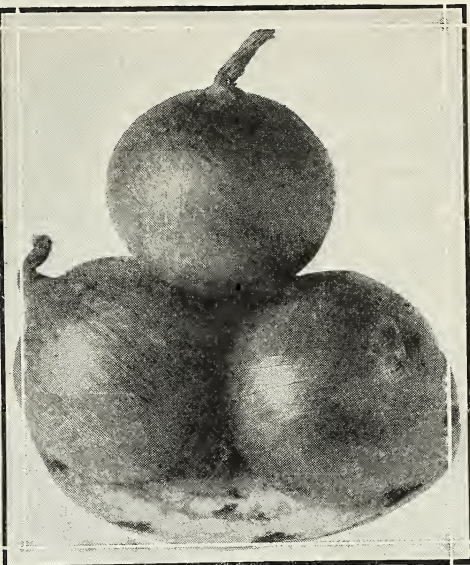
247A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.75.

WHITE PORTUGAL OR SILVERSKIN

The best known and most largely used white onion. Is flat on the bottom and thick toward the top. Very hard and firm and an excellent keeper. Is largely used for white onion sets as well as for market onions and pickles.

248A—Pkt. 5 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 60 cts.; 1 lb. \$2.20.

ONION SETS ARE LISTED ON PAGE 21.



Southport Red Globe Onion. 243A

PARSLEY

K-H CHAMPION MOSS CURLED PARSLEY

A compact growing sort; leaves are a uniform dark green color, very finely cut and so closely curled as to resemble bunches of moss; one of the most useful and decorative sorts.

257A—Pkt. 5 cts.; oz. 10 cts.

EMERALD DWARF EXTRA CURLED PARSLEY

The moss-like leaves are finely curled and of a handsome bright green color; very compact in growth.

258A—Pkt. 5 cts.; oz. 10 cts.

PARSNIPS

K-H HOLLOW CROWN (Large Sugar)

Better known and more generally grown than any other sort; roots smooth, usually 15 inches long by 3 inches in diameter at the top; tender and sugary.

260A—Pkt. 5 cts.; oz. 10 cts.



LONG SMOOTH WHITE

A very hardy and productive sort; roots smooth and white, about 16 inches long, with an elongated conical neck; excellent quality.

261A — Pkt. 5 cts.; oz. 10 cts.

GARDEN PEAS---Dwarf Varieties

BLISS AMERICAN WONDER

The earliest of all wrinkled peas. Of dwarf habit, growing from 9 to 11 inches high, and producing a profusion of good-sized and well-filled pods of the finest flavor.

270A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

K-H EXTRA EARLY PREMIUM GEM

(Peaceable)

An improved and more dwarf strain of McLean's Little Gem. Height 18 inches; foliage dark green; pods light green, 3 inches long, round, square ended and well filled with six to eight light green peas of good quality; very productive.

271A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

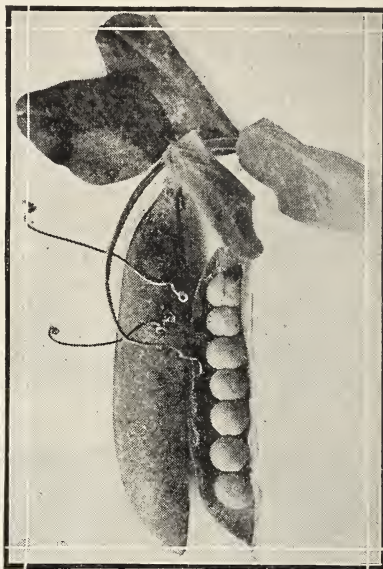
LAXTONIAN

The largest podded of all the early dwarf peas. The dark green pods are similar to the Gradus in shape, and nearly as large in size; they mature earlier and require no support of any kind. Vigorous and very productive, growth about 15 inches; pods are well filled with peas of the finest flavor.

272A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

K-H LITTLE MARVEL

An extra fine dwarf sweet pea. Pods somewhat



Gradus or Prosperity Pea. 278A

larger than Nott's Excelsior and same season. A fine variety for either private or market gardens. Height 14 inches. Foliage nearly round, and square ended, containing 7 very dark green peas of high quality; very productive.

273A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

K-H PETER PAN

One of the very finest of the large podded, dwarf peas, on the order of Laxtonian, though somewhat earlier. Height 15 inches; vine and foliage stout, heavy and dark green; pods 4 inches long, very broad, straight and pointed, containing 6 to 8 very large, dark green peas of superb quality.

274A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

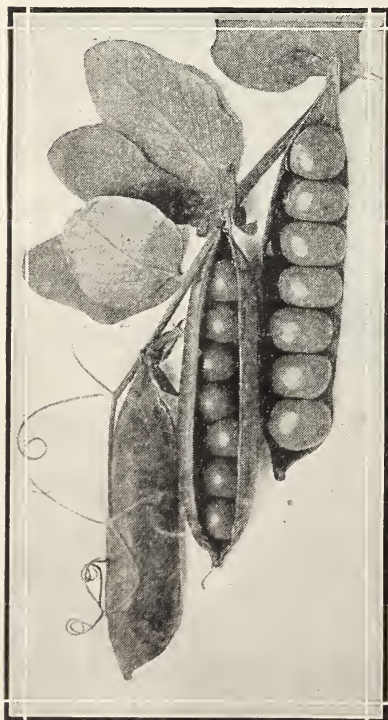
NOTT'S EXCELSIOR

Height 14 inches. This variety resembles the American Wonder, but grows a trifle taller and the pods are somewhat larger. It is of compact, dwarf growth and is nearly as early as the American Wonder. The pods average 3 inches in length and are well filled to the squared ends with green, wrinkled peas of fine quality and sweet flavor.

275A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

DWARF TELEPHONE OR DAISY

This grand 20-inch peas is rapidly gaining favor among gardeners of all classes. In habit it is dwarf and stocky. Bears close planting and requires no supports. The pods frequently measure 5 inches in length, and are broad, straight and remarkably well filled. A splendid mid-season variety.



Bliss American Wonder Pea. 270A 280A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

GARDEN PEAS--Tall Varieties

MAMMOTH PODDED EXTRA EARLY

On the order of Rice's Extra Early, but pods one-fourth larger. Matures practically with Extra Early and Alaska, and is much more productive; seed large, smooth and white. Vine and foliage robust, heavy and medium green. Height 3 feet. Pods light green, 4 inches long, round, broad, saddle-backed and square ended, containing 7 extra large, light green peas. A very productive and extra fine sort, bound to take first place as a leading market gardener's first early pea.

276A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

THOMAS LAXTON

The only rival of the famous Gradus. Extremely early, wrinkled pea; long pod. In some respects we consider it better than Gradus; pods are of a deep rich green. Peas very sweet; deep green.

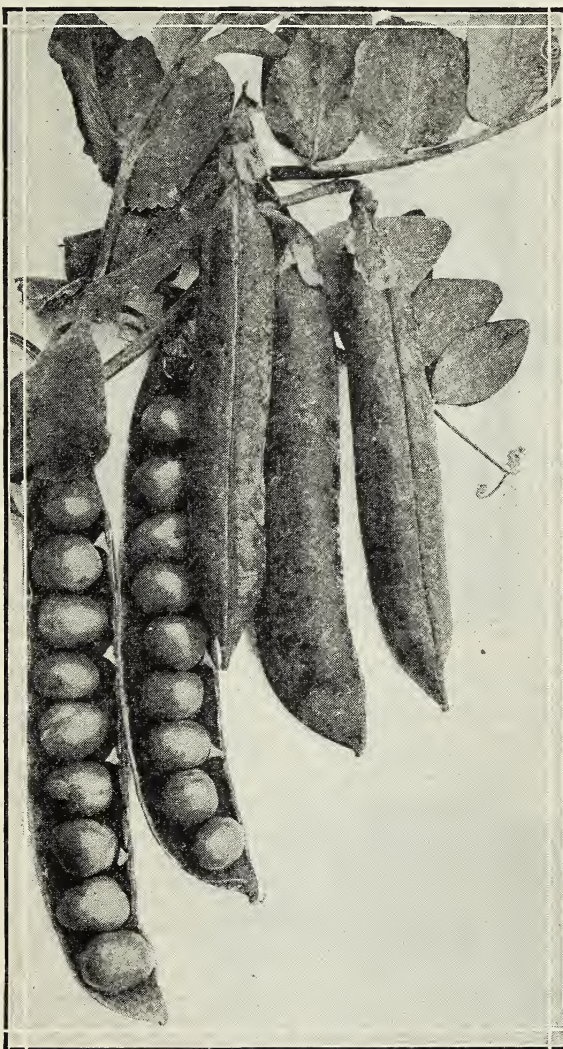
277A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

GRADUS OR PROSPERITY

A standard, early, large podded variety, very popular with market gardeners. Height 30 inches. Vine and foliage moderately heavy and medium green; pods medium green, 4 inches long, semi-round, straight, slightly curved at the tip, and pointed, contain-

ing six to eight large, very sweet medium green peas; very productive and of high quality.

278A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.



The Famous Rent Payer Pea. 284A

vines very branching, often twenty pods to a vine; quality is excellent. Our stock has been carefully selected and will run remarkably true.

281A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30c.

FIRST AND BEST (Frost Resisting)

An extra early pea with a great reputation in all districts. Vines vigorous and hardy, 24 inches high, bearing as many as seven fine straight pods, each containing 5 to 7 handsome peas of delicious quality; a very heavy cropper, and good drought resister. Can be planted earlier than any other pea, as it is not hurt by frost.

279A—Pkt. 5 cts.; $\frac{1}{4}$ lb. 10 cts.; 1 lb. 30 cts.

STRATAGEM IMPROVED

It is a favorite with the market gardeners for a general crop on account of the strong vines and large peas and pods. A heavy cropper; vines are strong, vigorous, covered with large pods measuring nearly five and one-half inches in length. Peas wrinkled,

GARDEN PEAS---Tall Varieties (Continued)

DUKE OF ALBANY (American Cham- pion)

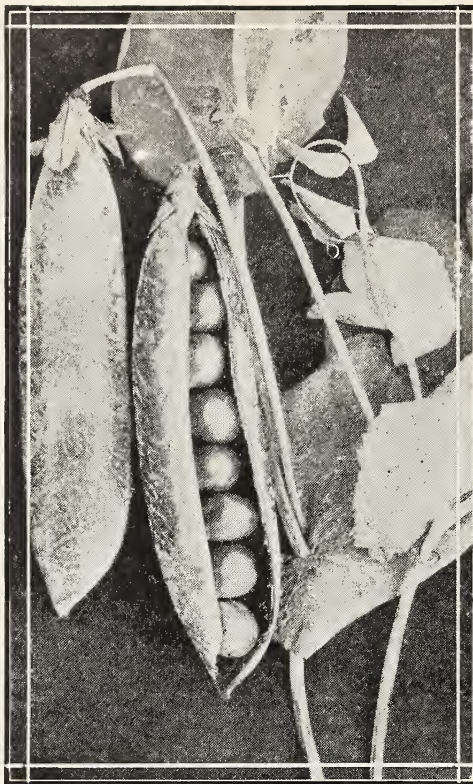
A very large wrinkled pea similar to the Telephone in growth and season, but darker in color of foliage. The pods are of largest size, often 4 to 5 inches long, straight and thick, borne in great profusion, and when in condition, for picking, are of a deep green color. Its productiveness and fine color make it a very profitable sort for market gardeners, while its splendid quality should give it a place in the home garden.

282A—Pkt. 5 cts.;
¼ lb. 10 cts.; 1 lb.
30 cts.

TELEPHONE

A favorite of the extra large podded varieties. Vines large; coarse leaves; height 54 inches. Pods are large, filled with enormous peas of tender, sweet and excellent flavor.

283A—Pkt. 5c; ¼ lb. 10c; 1 lb. 30c.



Dwarf Telephone or Daisy

Dark green and hardy and very popular as a canning variety.

285A—Pkt. 5 cts.; ¼ lb. 10 cts.; 1 lb.
30 cts.

RENT PAYER

A pea without a rival; about 20 inches high, the vines being strong do not require support. Tremendous cropper, the vines being literally covered with fine, long, well-filled pods of a rich, dark green color. The flavor of the peas cannot be surpassed. As an exhibition pea it is ideal. The pods are about six inches long and are usually filled with nine to ten well-developed peas. Will do well in any latitude.

284A—Pkt. 5 cts.;
¼ lb. 10 cts.; 1 lb.
30 cts.

HORSFORD'S MAR- KET GARDEN

A fine quality of medium height; very prolific; peas small and wrinkled, but pods well filled.



"NITRAGIN" FOR GARDEN PEAS—

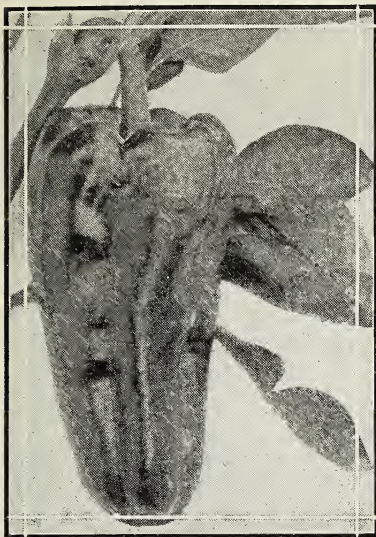
Peas inoculated with "NITRAGIN" before planting are able to gather the free nitrogen from the air; this helps to develop the plants and insures increased crops of peas. "NITRAGIN" is especially recommended for use by market gardeners who depend upon an early crop for the market. It makes healthier plants. Garden size can, 20 cts., postpaid.



OUR CHALLENGE!

We are very anxious to have you compare the prices on seed and garden supplies listed in this catalog with those of our competitors. We are sure you will find our prices very reasonable. We want to say that we challenge competition along the lines of quality. We know from thirty-five years' experience in the seed business, that we are offering the highest grade of seeds that can be secured anywhere at any price. **SEND US A TRIAL ORDER AND YOU'LL BE CONVINCED!**

PEPPERS



Large Bell or Bull Nose Pepper. 301A

PUMPKINS

PEPPERS CHINESE GIANT

One of the very largest of the mild red varieties. Plant of short, stocky growth, with light green foliage; fruits pendent, thick, blocky and square ended, four to five inches in diameter and of equal length; color, brilliant glossy scarlet.

300A—Pkt. 5 cts.; oz. 50 cts.

LARGE BELL OR BULL NOSE

A standard early variety and popular as a pickling sort; the pendent scarlet fruits are two inches in diameter, three inches long and blunt ended; mild and sweet. 301A—Pkt. 5 cts.; oz. 50 cts.

PIMENTO

A very thick-fleshed, pear-shaped, smooth, mild, crimson variety; much used for salads.

302A—Pkt. 5 cts.; oz. 50 cts.

RUBY KING

One of the most profitable and satisfactory varieties for the home or market garden; plants are early and productive; fruits pendent, often four to six inches long by three to four inches in diameter; tapering, and of a bright, ruby-red color; flesh is thick, sweet and mild. 303A—Pkt. 5 cts.; oz. 50 cts.

LONG RED CAYENNE

Pendent fruits about four inches long and three-fourths of an inch in diameter at the base, often curved and twisted; bright red; hot and pungent.

304A—Pkt. 5 cts.; oz. 50 cts.

PUMPKINS

SWEET OR SUGAR

Fruits small, round, flattened at the ends, and slightly ribbed; skin and flesh deep orange-yellow; flesh very thick and of high quality. The pumpkin for pies like grandmother used to make. 312A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

KING OF THE MAMMOTHS

The giant among pumpkins; specimens have been grown to weigh 250 pounds and reaching 24 inches or more in diameter; fruit round and flattened, slightly ribbed; skin salmon-orange, flesh bright yellow and very thick. 311A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

CONNECTICUT FIELD

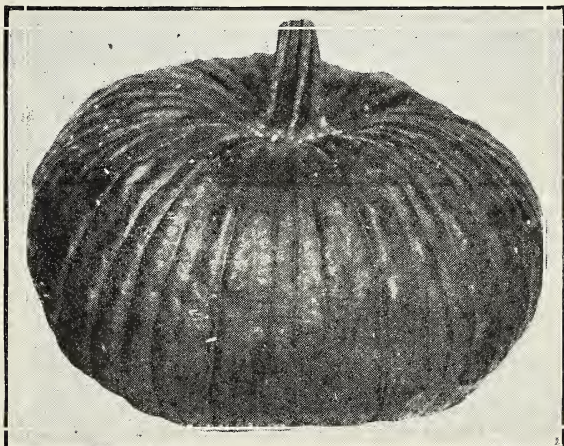
Generally used for planting in corn for stock feeding, also for making pies; fruit rather oblong, flattened at the ends, often 15 inches in diameter; smooth, hard, reddish-orange, distinctly ribbed skin with rich, orange-yellow flesh.

310A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

GREEN STRIPED CUSHAW

A very popular crooknecked variety. The skin is striped with mottled green bands of creamy white. Has a rich yellow meat, very tender and delicious in flavor.

313A—Pkt. 5 cts., oz. 10 cts.; ¼ 30 cts.



RADISHES



K-H Crimson Giant Globe Radish. 320A

ROUND SUMMER VARIETIES

K-H CRIMSON GIANT GLOBE

A variety combining earliness and great size. It grows much larger than other extra early varieties, but does not become pithy, even when fully twice as large in diameter and a week older. A deep globe in shape; two inches in depth; one and one-half inches in diameter. Skin thin and of deep crimson. The flesh is mild in flavor and of purest white.

320A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

EARLY SCARLET TURNIP, WHITE TIPPED

Round, deep scarlet, shading to a white tip on the bottom; very early; used extensively both as a forcing and outdoor sort. We have a very superior strain of this radish.

321A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

SPARKLER WHITE TIP

Quite similar to Scarlet Turnip White Tipped as to size and time of maturity. The root, however, is more round or ball shaped, and the white extends further up on the radish, and on this account is more popular in some markets.

322A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

K-H NEW SAXA

(Extra Early; Short Top; Crisp and Sweet)

The new Saxa radish we believe to be the very best short top scarlet globe radish offered to gardeners today. It has all the desirable qualities to recommend it to both the home gardener and the market gardener. Splendid color, the flesh is perfectly white, and is delightfully crisp and palatable.

323A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

K-H PHILADELPHIA WHITE BOX (White Ball)

One of the best of the white varieties either for forcing or outdoor culture; more round than turnip-shaped; intermediate in size; always crisp, fine-grained and tender.

324A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

VICK'S SCARLET GLOBE

We have an exceptionally fine stock of this superb variety. It is one of the very earliest of the forcing radishes and does equally well outside; roots are of fair size, globe-shaped and with a very small top; always crisp and tender; color a bright scarlet.

325A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

SELECTED FRENCH BREAK-FAST

A very fine radish of the oblong type, scarlet in color, with a white tip; very much in demand, owing to its attractive appearance. It matures very quickly, is sweet, crisp, solid and tender; a fine table variety, and has a very ready sale on the market.

326A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

RADISH REQUIREMENTS

Too rich soil is not good for radishes; a fairly good sandy loam soil will produce nice crisp radishes. Don't try to raise radishes in soil that is exceptionally rich, as in this kind of soil they always produce a heavy leaf growth and very small bulbs. Radishes can be sown between cabbage, onion, parsnip or carrot rows.



Sparkler White Tip

RADISHES

LONG SUMMER VARIETIES

CINCINNATI MARKET (The Glass)

An improved strain of Long Scarlet, being slightly larger and with a very small top, roots 6 to 7 inches long, scarlet colored; flesh white, almost transparent, brittle and crisp.

327A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

K-H ICICLE

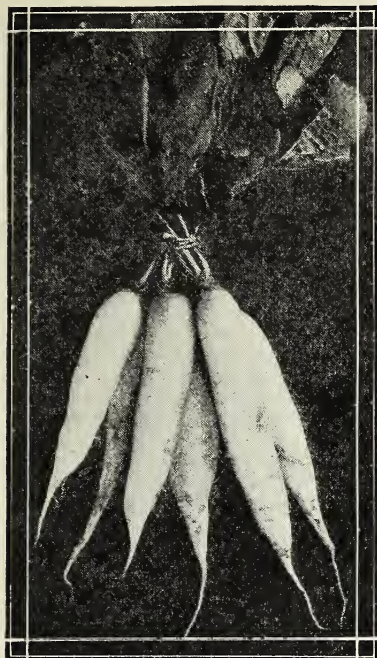
The leading long white radish and one of the earliest; roots are somewhat shorter, broader at the top and more square shouldered than Lady Finger; also matures a little earlier; about six inches long and white throughout.

328A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

LONG WHITE LADY FINGER (White Vienna)

An early maturing, long white summer radish; roots white, slender and smooth, are 6 to 7 inches long, tapering slightly at the top. This variety grows more above ground than Icicle and consequently is more or less tinged with green at the top of the root.

329A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.



K-H Icicle Radish. 328A

WINTER VARIETIES

K-H ROSE CHINA WINTER (Scarlet China)

One of the very best winter sorts; roots are cylindrical, or largest near the bottom; stump rooted or blunt at both ends; skin smooth and bright, deep rose color; flesh white, crisp and pungent; the roots grow 4 to 5 inches long and 2 inches thick.

335A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

LONG BLACK SPANISH

One of the largest, latest as well as the hardiest of radishes. Roots of medium size, oblong, black, and flesh is of firm texture.

336A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

ROUND BLACK SPANISH

Roots round, sometimes top-shaped, 3 to 4 inches in diameter; skin black; flesh white. Fine for winter use, as the roots keep a long time.

337A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

CALIFORNIA MAMMOTH WHITE WINTER

The large white roots grow 10 to 12 inches long, and 3 to 4 inches in diameter at the shoulder; tapering regularly to the tip; flesh crisp and decidedly pungent.

338A—Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.

STIMUPLANT
 Makes a
WONDER GARDEN

POTATOES

All our Seed Potatoes are grown in the Red River District of Minnesota and North Dakota

EXTRA EARLY OHIO OR SIX WEEKS

The earliest potato grown, and perhaps the best known and most universally appreciated of the whole potato family. They are ready for cooking in six weeks from planting and reach maturity in about eight weeks. As a market variety it is without a rival. They are selected with the utmost care and we are confident our seed will satisfy everyone. 290A.

EARLY IRISH COBBLER (Very Popular)

An excellent variety for light soils, producing a larger yield than most varieties when used on light soil. The potato is white and of a medium size. 291A.

No seed potatoes anywhere can be compared to our Red River Northern grown stock, either for vigor and freedom of disease or for producing and long keeping qualities. The seeds are thoroughly clean, healthy, and free from scab. Unless otherwise advised by our customers, we do not ship seed potatoes until all fear of their being damaged by frost is past. **All our seed potatoes are quoted f. o. b. Waterloo. ASK FOR PRICES.**

POTATOES—THEIR REQUIREMENTS

Potatoes can be grown in soil of almost any composition, provided it is well drained. A light or medium sandy soil is best. Potatoes do especially well upon new breaking; when planted in this way they clean the land for succeeding crops. **A good fertilizer for potatoes is bone meal.**

Small potatoes or potato cuttings weighing not less than 3 oz. and containing at least two eyes are best for planting, as proved by experience.

PYROX FOR POTATOES

Potato bugs, flea beetles, blight and rot are the most serious enemies of this crop. Your problem is to prevent and destroy these enemies at the least expense. Our answer to this problem is to use a material that increases the yield and value of the crop at the same time that it kills bugs and prevents blight. The way to grow potatoes cheaper is to grow a larger crop. Pyrox will help to do this, because it has a genuine stimulating effect on the foliage, giving the leaves that rich, green color which is so necessary to rapid, healthy growth. Pyrox is first and last for the practical grower. For nineteen years it has stood the test of practical every-day use by practical every-day men. For Potatoes, use PYROX at the rate of one pound to five gallons of water. Mix thoroughly, keep well stirred and spray the under as well as the upper surface of the leaves. For prices of PYROX, see Insecticide page.

"SAFETY FIRST"



"Come away! That's no place for a little bug like you! Can't you see those potatoes are sprayed with Pyrox?"

WHAT YOUR GARDEN DOES

When Daniel Webster was asked, "What do you raise on the rocky soils of New England?" he answered, "We raise men." We can say the same thing of gardens. They raise men—and women, too—for working in the garden develops physical health, mental power, and moral strength.

Growing a garden—coming in contact with soil and working in the open air—develops the best characteristics of boys and girls and of men and women. One learns to love to watch the seeds unfold, the plants grow and blossom, and to gather the crops. Care of a garden develops a sense of ownership and a respect for the property of others. Fighting the drouth, the weeds, and injurious bugs and insects develops power and character.

RHUBARB

SALSIFY

RHUBARB OR PIEPLANT

K-H MYATT'S LINNEUS GIANT

Early and very fine; leaves and stalks of immense size.

342A—Pkt. 5 cts.; oz. 30 cts.

MYATT'S VICTORIA

Later than Linneus, but equally large and desirable.

343A—Pkt. 5 cts.; oz. 15 cts.

SALSIFY OR OYSTER PLANT

A most delicious vegetable. It is used stewed, boiled or fried, and sometimes as a salad. When cooked it has an oyster flavor. Cultivation the same as for carrots or parsnips. One ounce of seed will sow 50 feet of row.

K-H MAMMOTH SANDWICH ISLANDS SALSIFY

Large roots. 348A—Pkt. 5 cts.; oz. 15 cts.

LONG WHITE FRENCH SALSIFY

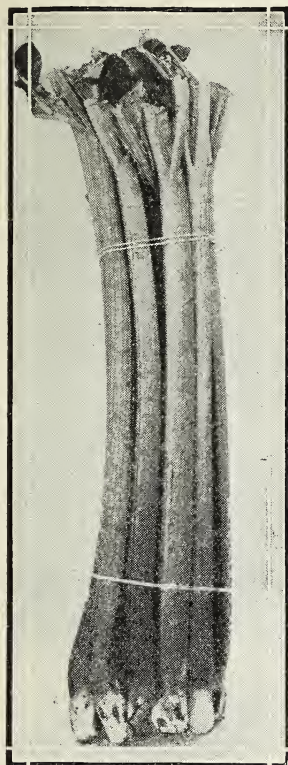
Delicious when cooked. 349A—Pkt. 5 cts.; oz. 15 cts.

SUNFLOWER

MAMMOTH RUSSIAN

The giant of all Sunflowers. Single heads measure 12 to 22 inches in diameter and contain an immense quantity of seed which is highly valued by all farmers and poultry breeders who have tried it as an excellent and cheap food for fowls. They eat it greedily, fatten well on it, and attain a bright, lustrous plumage and strong, healthy condition better than on almost any

other food. It is the best egg-producing food known for poultry. Every farmer should plant some of the seed in any waste piece of ground, any time from early spring up to the middle of July. It is a wonderful improvement on the old native Sunflower, and besides the great value of the seed as a poultry and stock food, its leaves make a fine fodder, while its strong thick stalks can be used as fuel. Four quarts of seed will plant one acre. The seed is also recommended as a food for horses. 375A— $\frac{1}{4}$ lb. 10 cts.; 1 lb. 20 cts., postpaid.



Myatt's Victoria Rhubarb



TOBACCO

CONNECTICUT SEED LEAF

A popular sort used for cigar wrappers and home use.

377A—Pkt. 5 cts.

FINE HAVANA

Finest strain of imported seed. 378A—Pkt. 5 cts.

GARDEN TROUBLES

Tell Us About Them; Perhaps We Can Help You

SQUASH



Chicago Warty Hubbard Squash

sweet and one of the best in quality. Keeps throughout the winter.

361A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; 1 lb. \$1.40.

K-H DELICIOUS

For table use no squash compares with it in its remarkable compactness of grain, dryness, sweetness and exceedingly rich flavor. Its color is almost uniformly green in shade.

362A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; 1 lb. \$1.50.

PIKE'S PEAK OR SIBLEY

Large oval fruits tapering at the blossom end; skin smooth and dark olive-green in color; flesh golden-yellow and of very best quality; a winter sort, maturing with Hubbard.

363A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; 1 lb. \$1.50.

K-H BOSTON MARROW

A popular variety with large oval fruit. Skin bright reddish-orange with light cream netting. Flesh orange; fine grained and of excellent quality. This is the most popular variety for canning.

364A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; 1 lb. \$1.50.

GOLDEN HUBBARD

An exceptionally attractive variety of the true Hubbard type. At maturity the color is red and the flesh is bright orange. The vine is productive and the fruit is fit for use earlier than the Hubbard.

365A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 45 cts.; 1 lb. \$1.50.

FERTILIZER

WIZARD Pulverized Sheep Manure—single bag equivalent to whole wagon-load of stable manure. Easy to handle—clean—every weed seed killed. Absolutely the best fertilizer for flowers, vegetables, fruits, shrubs, grass and field crops. Far superior to chemical stimulant because it is a natural fertilizer supplying BOTH plant food and humus. Don't fail to use WIZARD in all of your planting.

WIZARD
TRADE MARK
PULVERIZED

Sheep Manure

*Gives the soil what it needs
to make things grow.*

Winter Varieties

K-H CHICAGO WARTED HUBBARD

A perfect dark green and very warty selection from the well-known Hubbard, retaining all the good qualities of its parent. Very handsome, a good keeper and sells at sight.

360A—Pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; 1 lb. \$1.50.

FORDHOOK

Squashes are small and cream color, flesh is dry,

SQUASH



THE NEW SWEET POTATO SQUASH

The gem of the garden. A delicious flavor. An economical food. Grows 6 to 8 inches long and about 6 inches in circumference. Split them in the middle, clean out the seed cavity, put in a strip of bacon or a piece of fresh pork, tie the halves together and bake. There is nothing finer on the market. Be sure to include New Sweet Potato Squash in your order.

366A—Pkt. 10 cts.; oz. 30 cts.

MAMMOTH WHITE BUSH SCALLOP

An improved selection of the old favorite early White Bush, but much larger in size, more handsome and of much nicer clear white color. Fruits flattened, scalloped and uniformly marked. This is one of the finest of all summer squash.

367A—Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.

VEGETABLE MARROW

An English variety for summer and fall use; grows about nine inches long and a perfect oblong in form; shell pale yellow, flesh white.

368A—Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.

YELLOW SUMMER CROOK NECK

Shaped like a club with a bent neck. The skin is very rough and warted, of an orange-yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine.

369A—Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.

TOMATOES



Bonny Best Tomato. 380A

ful attention is given to pruning of the vines. When the plants are six to eight inches tall, they will begin to throw out branches. Select the largest and healthiest of these and pinch off all others except this one and the main stem. Take care not to pinch off the fruiting branches which, as they appear, can be distinguished by the buds which form very early.

BONNY BEST

One of the finest bright red sorts for growing in greenhouses, and a good one to follow Earliana in the open field. It has been highly recommended by U. S. Department of Agriculture as well as by big growers and shippers throughout the country. Bonny Best is a favorite tomato of medium size; color, bright scarlet; always smooth and remarkably uniform in size and shape.

380A—Pkt. 5 cts.; oz. 45 cts.

SPARK'S EARLIANA

Very early and of large size. Color a beautiful red, handsome, uniform, remarkably solid and productive.

381A—Pkt. 5 cts.; oz. 45 cts.

CHALK'S EARLY JEWEL

One of the very best early tomatoes yet introduced. The vines are vigorous and very productive. The fruits are bright, deep scarlet-red, nearly round or somewhat flattened, smooth, of large size and most excellent quality. They ripen very early and the pickings continue through a long season. It is a most desirable sort for the home garden.

382A—Pkt. 5 cts.; oz. 35 cts.

CRIMSON CUSHION (Beeksteak)

The largest of the bright red tomatoes; really a red Ponderosa.

383A—Pkt. 5 cts.; oz. 35 cts.

TOMATO TOPICS

The greatest success is attained by clipping the superfluous branches and leaves. It seems that most Tomato growers over-feed their plants, causing them to develop a lot of rank growth, thus diminishing the fruit production. A nice medium rich sandy soil is best. The ripening of Tomatoes can be hastened if care-

NEW STONE

Recognized as one of the best of all standard sorts. It is the largest bright red, perfectly smooth, highest yielding, best keeping, finest flavored main crop tomato in existence. **384A—Pkt. 5 cts.; oz. 35 cts.**

DWARF CHAMPION

This is sometimes sold as the "Tree Tomato." It is a second early or main crop, purplish pink variety, especially desirable where garden space is limited. The vines are about two feet high, vigorous, upright and compact. The fruits are medium sized, exceptionally smooth and of very good quality. A superior strain with more even, smoother fruit than the original.

385A—Pkt. 5 cts.; oz. 35 cts.

JOHN BAER

This new exceptionally early tomato has won much praise from all who have tried it. It is very large, free from core and of an attractive bright red color. Very prolific, one plant often having from 50 to 75 fruits. **386A—Pkt. 5 cts.; oz. 50 cts.**

MATCHLESS

This great tomato is well named. It is a strong, vigorous grower with thrifty vines which produce large, handsome tomatoes most abundantly throughout the season. The fruits, of a rich cardinal-red, are remarkably solid and smooth, free from core and uniformly of the finest flavor. The

TOMATOES (Continued)

tomatoes are always of the largest size; they do not become smaller even late in the season, as the healthy growth of vine and foliage carries magnificent crops until killed by frost. A favorite main crop variety in many sections.

387A—Pkt. 5 cts.; oz. 40 cts.

GOLDEN QUEEN

A handsome yellow variety, of medium size and excellent flavor. Very attractive when sliced with the red sorts.

388A—Pkt. 5 cts.; oz. 40 cts.

ROYAL PURPLE

An improved type of Beauty and more productive; fruits exceedingly smooth and uniformly large in size, round, and with little core; color deep pink, tinged with purple; a mid-season sort.

389A—Pkt. 5 cts.; oz. 35 cts.

PONDEROSA

This is the largest fruited tomato and is of a fine quality for slicing. The vines are of strong growth; fruits oblong in form, deep through, and generally ridged or ribbed purple in color. They are solidly fleshy with small seed cells; of fine flavor. Planted in good soil, fruits frequently attain a weight of one pound or more.

390A—Pkt. 5 cts.; oz. 50 cts.

JUNE PINK

One of the earliest varieties of tomato and a special favorite with those who like the pink color. The fruit is borne in clusters and begins to ripen very early. The tomatoes average three inches in diameter and are of excellent quality. The yield is heavy and continues until the vines are cut down by frost.

391A—Pkt. 5 cts.; oz. 40 cts.

DWARF STONE

The vines are dwarf but vigorous and productive. Although an intermediate or rather late maturing variety, the fruits are of good color, being an attractive bright red, exceedingly smooth and very solid. It is a desirable sort for the home garden. We consider this the best of the large fruited dwarf tomatoes.

392A—Pkt. 5 cts.; oz. 40 cts.

SMALL FRUITED VARIETIES FOR PRESERVES

YELLOW HUSK

Also called Strawberry and Ground Cherry. Is greatly valued for use as a preserve; it also makes delicious pies either when ripe or dried with sugar.

395A—Pkt. 5 cts.; oz. 50 cts.

PEACH

These are excellent for eating raw. The fruit resembles a peach, even to the skin, which is covered with a slight bloom as in a peach or nectarine. 396A—Pkt. 5 cts.

RED CHERRY

Identical with the Yellow Cherry except in color of fruit, which is of a light scarlet. 397A—Pkt. 5 cts.

RED PEAR

Fruit pear-shaped; of bright scarlet color; rich flavor. 398A—Pkt. 5 cts.

YELLOW CHERRY

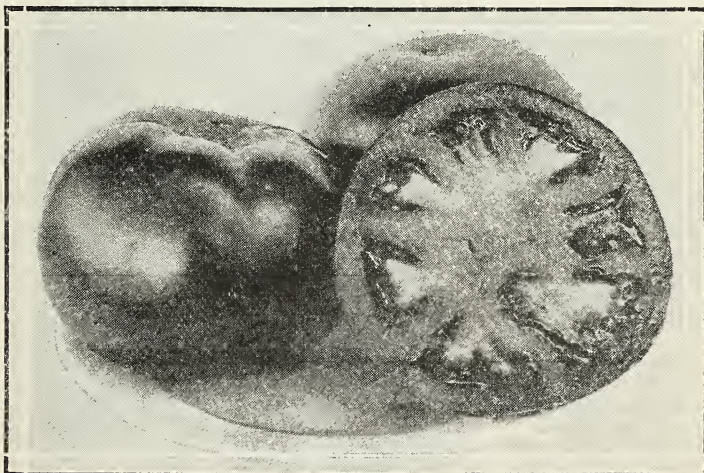
Fruits are of a light lemon-yellow color; rich flavor. 399A—Pkt. 5 cts.

YELLOW PEAR

Similar to the Red Pear, but a handsome yellow color. 400A—Pkt. 5 cts.

YELLOW PLUM

Fruits are yellow, plum-shaped in clusters. Excellent. 401A—Pkt. 5 cts.



Ponderosa Tomato

TURNIPS**LARGE WHITE GLOBE**

One of the most productive kinds and in good rich soil the roots will frequently grow to 12 pounds in weight. The roots are globe-shaped or slightly flattened; skin very white and smooth. This sort is used for stock feeding and is also good for table use is pulled when the roots are not more than 4 to 5 inches in diameter. Where the winters are mild the tops are used for greens.

410A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

PURPLE TOP, STRAP-LEAVED

The most popular sort. A general favorite with all, and more largely grown than any other turnip; will do well to sow broadcast or in drills and will form good sized bulbs in seven or eight weeks. Rather flat and of medium size. Color, purple above ground, white below; flesh white, fine grained and tender.

411A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

EARLY WHITE FLAT DUTCH, STRAP-LEAVED

A very early, white turnip, extensively used for the table, especially in the southern states. The leaves are entire, toothed on the margin but not divided or lobed, and are upright in growth. The roots are of medium size, flat, very white fleshed, fine grained and sweet. The roots when in best condition for table use are about two and one-half inches in diameter. This variety is also grown as a field crop.

412A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

PURPLE TOP WHITE GLOBE

This excellent table variety is globular in shape, of good size and very attractive appearance. The roots are large, purple or dark red above ground, white below. The flesh is white, fine grained and tender. The roots when in best condition for table use are about three inches in diameter, but can be grown much larger for stock feeding. This variety keeps well for so early a variety and is

RUTABAGAS

one of the best for market use. It is also known as Red Top White Globe.

413A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

GOLDEN BALL OR ORANGE JELLY

One of the most delicious and sweetest yellow-fleshed turnips. Not of large size, but firm, hard and excellent flavor. Keeps well and is superior as a table variety.

414A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

SNOWBALL OR EARLY SIX WEEKS

The most perfect in outline and best white garden turnip grown. In shape it is round, of exquisite flavor, with single tap root, and very distinct small top.

415A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

RUTABAGAS**AMERICAN PURPLE TOP**

This strain is of American origin and is a purple top, yellow variety. It has been selected to produce a smaller top and a shorter neck than is usually found; the roots grow to a large size and are of the finest quality and excellent both for the table and for stock feeding.

317A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

LARGE WHITE SWEET

Excellent keeper. Desirable for table and stock. Roots large, globe-shaped, small neck, color white. Flesh white, firm and sweet.

318A—Pkt. 5 cts.; oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.

SCHOOL GARDENS

We are always delighted to help and encourage children in their garden work and shall be pleased at all times to quote special prices on packets in quantity lots for school children.



FLOWER SEED DEPARTMENT

RAPID GROWING CLIMBING VINES

BALLOON VINE

(Cardiospermum) (Love in a Puff)

A rapid-growing summer climber, with small white flowers, followed by curious inflated seed pods.

525A—Pkt. 5 cts.

CANARY BIRD VINE

Rapid climber, of easy cultivation; flowering continually all summer; flowers of a bright canary-yellow.

526A—Pkt. 5 cts.

CARDINAL CLIMBER

The most beautiful and brilliant annual climber ever sent out. It is a strong and rapid grower, attaining a height of thirty feet or more, with beautiful fern-like lacinated foliage and literally covered with a blaze of circular fiery cardinal-red flowers from mid-summer until frost.

530A—Pkt. 5 cts.

MORNING GLORIES—IMPERIAL JAPANESE MIXED

Who does not love the Morning Glory? It has long been a favorite for shading porches, covering screens and similar purposes. It is one of the most free-flowering and rapidly growing plants in cultivation. The foliage is dark green, and the freshness and delicacy of the flowers fully make up for their fugitive character. The prevailing colors are shades of blue, but there are other colors, ranging from white to dark red, and some of the flowers are striped.

533A—Pkt. 5 cts.

CYPRESS VINE

Rapid climber, having dark green feathery foliage, bearing an abundance of star-like flowers. Fine for trellises.

527A—Pkt. 5 cts.

CATHEDRAL BELLS

Another beautiful annual climber of rapid growth, with fine foliage; blue flowers bell-shaped, almost 1½ inches across and 2 inches long. In good soil the stems often grow twenty to thirty feet long and cover a large surface. Plants begin flowering when quite young. Put the seed in barely cover with light soil. Do not water until the plants appear, unless the soil is very dry.

528A—Pkt. 5 cts.

ORNAMENTAL GOURDS

Climber. Quick growing vines; excellent for covering arbors, walls and waste places. Gourds grow in very curious shapes and are used for house ornaments.

165A—Pkt. 5 cts.

KUDZU VINE

Introduced from Japan. A twining vine of remarkably rapid growth, attaining a length of forty to fifty feet from established roots. Hardy perennial.

531A—Pkt. 5 cts.

EXHIBITION CLIMBING MIXED NASTURTIUM

For trailing over porch lattice or arbors, or for covering old fences or unsightly places, also for vases, we consider the tall varieties most desirable. There is also a greater variety in colors, including the brilliant Lobbianum type. Mixture, including all types.

561A—Pkt. 5 cts.

CLIMBING JAPANESE HOP

Of rapid growth. Foliage very dense, similar in shape to the common Hop. Very seldom affected by insects or extreme heat, retaining its foliage until frost. Fine for covering verandas and trellises, attaining a height of 12 feet.

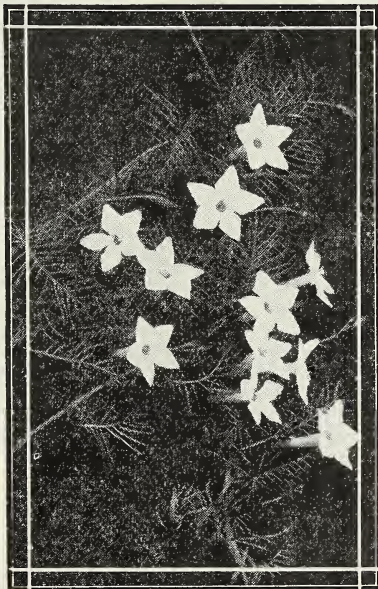
Pkt. 5 cts.

ANTIRRHINUM

(Snapdragon)

This fine old-fashioned flower is again becoming very popular. It has been greatly improved in recent years. As a bedding plant it blooms continuously until late in the fall. The long spikes of brilliantly colored flowers are deservedly popular for cut flowers. Grows 2 to 3 feet high. Sown in early spring, it blooms freely the first season. Mixed, all colors.

500A—Pkt. 5 cts.



Cypress Vine. 527A

FLOWERS (Continued)

AGERATUM—LITTLE DORRIT

The pretty, bush-like flowers of the Ageratum are produced in clusters constantly all through the summer. The plant has a neat, bushy habit. Excellent for bedding or for bouquets. Seeds may be started in a mellow seedbed in the open ground, or under glass in the early part of the season. Color azure-blue; free-flowering.

501A—Pkt. 5 ets.

SWEET ALYSSUM (Carpet of Snow)

Small white flowers, delicately fragrant, valuable for cutting and for bedding. Sow in early spring or even the previous autumn. In the border the plant is covered with bloom the entire season.

503A—Pkt. 5 ets.

EXHIBITION ASTERS

A selected mixture of the best varieties for the most critical gardeners, which contains all of the various types, together with almost every color of value; thus enabling the purchaser to procure the finest assortment of kinds and colors in a single package.

505A—Tall Varieties Mixed—5 ets.

506A—Dwarf Varieties Mixed—5 ets.

CALENDULA (Pot Marigold)

Freely flowering plants of easiest culture, succeeding everywhere and flowering continuously. Flowers double, showy, of large size and pleasing colors. One of the best old-fashioned flowers; height one foot.

Meteor. Large, double yellow, striped with orange; very showy.

507A—Pkt. 5 ets.

Prince of Orange. Resembles Meteor, but is much darker; very pretty.

508A—Pkt. 5 ets.

BACHELOR'S BUTTON (Corn Flower; Ragged Sailor, etc.)

One of our best known hardy annuals. Blooms freely and is easily grown. Eighteen to twenty-four inches in height. Finest mixture of colors.

511A—Pkt. 5 ets.

BALSAMINA CHARANTIA (Balsam Pear)

The fruit of this variety is pear-shaped; otherwise it resembles the Balsam Apple.

550A—Pkt. 5 ets.

BALSAM (Lady Slipper) CAMELLIA

FLOWERED MIXED

Plants of pyramidal growth bearing rose-like flowers which cover the whole plant; flowers profusely all summer. In soil well fertilized, excellent results will be obtained. Height, two feet.

510A—Pkt. 5 ets.

CALLIOPSIS DRUMMONDII—GOLDEN WAVE

Plants bushy, compact, covered with rich golden-yellow flowers, chestnut-brown center. 512A—Pkt. 5 ets.

CANDYTUFT—EMPRESS

Large spikes of the purest white and of erect habit; dwarf and compact; very profuse in bloom; exceedingly showy and effective.

516A—Pkt. 5 ets.

CHRYSANTHEMUM—ANNUAL MIXED

Plants of easy cultivation, very showy and excellent for cutting, flowering from June until frost. One of the most satisfactory hardy annuals for summer blooming.

518A—Pkt. 5 ets.

CARNATION—MARGUERITE

Like the winter blooming Carnations, but bloom the first year from seed. A great variety of beautiful shades and fragrant double flowers. Seeds should be sown inside to give longer season of bloom. Plants can be taken up in pots for winter blooming.

523A—Pkt. 5 ets.

COSMOS—EXTRA EARLY FLOWERING

A pretty feathery foliaged annual, useful for cutting, growing sometimes to a height

of four feet and very effective right up to the frost. Makes a nice winter flowering pot plant if sown in summer. Colors include purple, pink, mauve, white and rose. Height 3 to 4 feet.

520A—Pkt. 5 ets.

COREOPSIS LANCEOLATA GRANDIFLORA

A most popular hardy plant. Flowers are rich golden-yellow in color, graceful and invaluable for cutting. Blooms very abundantly during the last of June and continues in flower during the entire summer and autumn. Height, 18 to 24 inches.

522A—Pkt. 5 ets.

AFRICAN DAISY (New Hybrids)

The blooms of these New Hybrids of the Golden Orange African Daisy (*Dimorphotheca Aurantiaca*) comprise a wonderful variety of beautiful and delicate shades of color, ranging from pure white through pale salmon and primrose tones to deepest orange. The flowers are very graceful and are produced

in the greatest profusion all summer. A bed of the New Hybrid African Daisy makes a continuous and charming display of color.

504A—Pkt. 5 ets.

FOUR O'CLOCKS

Handsome border plants, with rich, glossy leaves, profusion of bloom, divers colors and foliage. The flowers open in the afternoon, hence the name "Four O'Clock." Hardy annual. All colors mixed. 540A—Pkt. 5 ets.



Old-fashioned Snapdragon

FLOWERS (Continued)

CELOSIA CRISTATA (Cocksecomb)

Free-blooming, graceful plants, producing spikes of beautiful feathery flowers; grown in pots, they are fine for the greenhouse or conservatory; half hardy.

519A—Pkt. 5 cts.

GAILLARDIA (Blanket Flower)

Very showy annual of easy culture. Blooms from early spring until frost. Flowers on long stems in orange, brown, bronze, maroon and crimson. Mixed varieties, including *Lorenziana* double type.

541A—Pkt. 5 cts.

GYSOPHILA (Baby's Breath)

Very easily grown annual, 12 to 15 inches. The flowers are pure white, very small, star-like, and produced in feathery sprays.

542A—Pkt. 5 cts.

GEUM COCCINEUM

A very handsome variety, bearing immense double flowers of bright scarlet; a perpetual bloomer; fine for cutting; two feet high.

552A—Pkt. 5 cts.

HELICHRYSUM (Straw Flower)

Exceedingly effective everlasting; fine for borders. The flowers are large and the color bright; highly prized for winter bouquets. Flowers intended for drying should be gathered when partially unfolded and suspended with heads downward in a cool and airy place.

557A—Pkt. 5 cts.

HOLLYHOCK

Our strain of seed of this old-time favorite is without doubt unsurpassed. The tall, stately spikes bear immense quantities of bloom of the most brilliant colors, both in the single and double varieties. They succeed best in a rich, well-drained soil, requiring slight protection during the winter. Single and double mixed.

553A—Pkt. 5 cts.

KOCHIA

(Summer Cypress)

A highly ornamental annual of unusually rapid growth, which forms regular pyramids from 2 to 3 feet in height, having a cypress-like appearance. The leaves are slender and of a light pea-green color until September, when they change to a carmine and blood-red. Its bright autumn coloring has given it two other names: "Mexican Fire Plant" and "Burning Bush." This plant does exceedingly well in the West from seed sown in the open. It has a beautiful and striking appearance right up until snow falls.

543A—Pkt. 5 cts.

AFRICAN MARIGOLDS

These produce very large flowers on tall stems; plant them in borders or among shrubbery.

African Double Mixed. 539A—Pkt. 5 cts.
Lemon Queen. Soft, lemon-yellow flowers. 545A—Pkt. 5 cts.
Prince of Orange. Orange-gold tints. 546A—Pkt. 5 cts.

DAISY (Shasta)

A fine hardy perennial, 12 to 18 inches high. The flowers are pure white, with a bright yellow center, average about 4 inches in diameter, and are borne on long, stiff, wiry stems. Valuable for cutting, remaining fresh for two weeks or more.

537A—Pkt. 5 cts.

MARIGOLD—DWARF FRENCH SINGLE (Legion of Honor)

Grows quite regular and only about one foot high, and blooms in abundance from July until cut down by the frost. The single flowers are of a lovely golden-yellow, with a broad velvety blotch on each petal; of easy culture.

544A—Pkt. 5 cts.

MIGNONETTE

A quick growing annual, highly esteemed for its delicate fragrance. It grows most rapidly and produces the largest and finest spikes of blossoms during cool, moist weather of early spring and late fall months, but will flower freely throughout the summer from seed sown early in spring.

547A—Pkt. 5 cts.

MIMOSA (Sensitive Plant)

Its fern-like leaves are extremely irritable, closing and dropping when touched; half-hardy annual; eighteen inches high.

559A—Pkt. 5 cts.

MOONFLOWER

The *Ipomoeas* are climbers of rapid growth. If planted in rich soil in a sunny location and given plenty of water, will grow to a height of 60 to 70 feet in a single summer, and will bear immense fragrant flowers of glistening white 7 to 8 inches across. The flowers open at sunset and close the next morning. To hasten germination, soak the seed in warm water for a few hours.

532A—Pkt. 5 cts.

MYOSOTIS

(Forget-Me-Not)

A favorite old-fashioned flower, bearing in profusion, especially in fall and spring, clusters of dainty blue five-petaled blossoms. It thrives well in the shade or open border, but flourishes best in a moist, shady situation.

548A—Pkt. 10 cts.

NIGELLA (Love in a Mist)

Curious looking flowers with finely cut foliage. Flowers are corn-flower blue, well set off by the feathery, green foliage which entirely surrounds them.

560A—Pkt. 5 cts.

DWARF MIXED NASTURTIUM

The dwarf varieties are the most desirable for bedding or for borders.

562A—Pkt. 5 cts.

OENOTHERA (Evening Primrose)

A beautiful low-growing annual; flowers white; during the night they change to pink; 1 ft. 564A—Pkt. 5 cts.

PETUNIA—GIANT SINGLE-MIXED

A strain of incomparable beauty, size and luxuriance. Most of the flowers are exquisitely ruffled or fringed on the edges and are of enormous dimensions, 4 to 5 inches across. 575A—Pkt. 5 cts.



Candytuft (Empress). 516A

FLOWERS (Continued)

PANSY—GIANT EXHIBITION MIXTURE

This is a mixture of all the giant-flowered varieties, including both plain color sorts, faced sorts and the new giant ruffled edge and rare varieties. The seed is saved from exhibition flowers. Grow this seed with care, following directions, and you will have the most gorgeous giant pansies imaginable.

565A—Pkt. 5 cts.

PHLOX DRUMMONDII—GIANT FLOWER-ING MIXED

A very pretty hardy annual; invaluable for bedding masses and for cut flowers, from its bright colors, which vary from the purest snow-white to the deepest blood-red, and the unusual length of its blooming season. 580A—Pkt. 5 cts.

UDOR MAN'S ORCHID (Butterfly Flower)—SCHIZANTHUS RETUSUS

These Schizanthus Retusus have larger flowers than other types, and have longer stems. The flowers are borne farther apart on the stems and look more like an orchid than any outdoor flower. Beautiful for the garden or conservatory. Red orchid-shaped flowers with yellow tip. Pkt. 5 cts.

CALIFORNIA POPPY

The brilliant Eschscholtzia is California's chosen state flower. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds should be sown where the plants are to bloom. 515A—Pkt. 5 cts.

ORIENTAL HARDY POPPIES

Oriental Poppies rival in gorgeous beauty the Darwin Tulips and are one of the showiest, most effective flowers grown; height, 2 to 3 ft., flowers immense; often 6 in. or more across. 581A—Pkt. 5 cts.

POPPY—SELECTED SHIRLEY (Ghost)

A greatly improved strain of this lovely race of single Poppies, with shining flowers of silky texture, varying in color from pure white and delicate pink to rosy carmine and deep crimson, many of them being beautifully striped and edged with white. The blooms, if cut while young, will keep in water for two or three days. Pkt. 5 cts.

POPPY—EXCELSIOR MIXTURE

This mixture consists of a combination of the finest single and double flowering Poppies in an endless variety of the most brilliant and delicate colors. When planted in large beds they produce a gorgeous display.

586A—Pkt. 5 cts.

PORTULACA (Rose Moss) MIXED

Creeping tender annual, six to eight inches high, and bearing glossy, cup-shaped blossoms in very brilliant colors. The seed germinates slowly and should be started under glass or when the weather is hot. Special Mixture.

590A—Pkt. 5 cts.

RICINUS (Castor Bean)

Decorative plants with palm-like foliage. Desirable to place in center of beds of Cannas, etc., giving to the garden magnificent sub-tropical effects; even a single plant forms a pyramid of leaves.

592A—Pkt. 5 cts.

SCABIOSA (Mourning Bride)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are much in demand. The various shades are very charming. Seeds should be sown any time in the Spring after danger of frost is past.

596A—Pkt. 5 cts.

SALPIGLOSSIS (Painted Tongue)—EMPEROR

A half-hardy annual, growing about three feet high and bearing trumpet-shaped blossoms of richest shades and colors. We have a splendid giant-flowered strain; each stem is loaded with these most handsome flowers; each one richly veined with golden color.

593A—Pkt. 5 cts.

SALVIA (Scarlet Sage) (Bonfire)

A splendid dwarf variety with large erect spikes of rich scarlet flowers; immensely effective; height two feet. 595A—Pkt. 5 cts.

EVERLASTING SWEET PEA (Lathyrus Latifolius)

Handsome, free-flowering, hardy climber of great beauty, with clusters of elegant sweet pea-like flowers in great profusion. Grows 6 to 8 feet high. Finest Mixed.

536A—Pkt. 5 cts.

SWEET WILLIAM—SINGLE AND DOUBLE MIXED

Extensively used in old-fashioned gardens; flowers borne in large clusters of most brilliant colors, and are fine for cutting. An indispensable plant for perennial beds and borders. Seeds, if sown in February and March, usually flower the same summer. 625A—Pkt. 5 cts.

TEN WEEKS STOCKS (Gilliflower)

The stock is one of the many popular plants, either for bedding or pot culture; for brilliancy and diversity of color, or profusion and duration of bloom, it is unsurpassed. Of delightful fragrance. For early flowering, start the seed in a greenhouse or hotbed, and transplant into the garden in May, after all danger of frost is over. Half-hardy annual. 598A—Pkt. 5 cts.

WALLFLOWER

Deliciously fragrant half-hardy perennials, blooming early in the Spring with spikes of beautiful flowers. Not hardy in the northern states and plants should be wintered in a cold frame. 634A—Pkt. 5 cts.



Salpiglossis

FLOWERS (Continued)

VERBENAS—MAMMOTH MIXED

This distinct and beautiful race is worth a place in every garden. The average trusses measure 6 to 8 inches in circumference and the individual florets on properly grown plants measure over one inch across. They bloom freely, are vigorous ingrowth and contain beautiful new colors and shades. For garden beds and massing these Vervenas are unrivaled; flowers of the most brilliant colors produced continually from spring until late in the autumn. These form luxuriant plants and bloom the first season from seed. **632A—Pkt. 5 cts.**

CHINESE WOOLFLOWER

(*Celosia Childsii*)

Without doubt the new *Celosia* is the most magnificent garden annual yet introduced. Its ease of culture and long continued blooming season, July until frost, together with its massive bunches of wool-

like scarlet flowers, combine to make it the most odd as well as the choicest novelty for the general flowering garden.

517A—Pkt. 5 cts.

ZINNIA (Mammoth Flowering Mixed)

The Zinnia is prized for its brilliant colors, for the size and perfection of its flowers, for its sturdy growth, and for the associations connected with it as an old-time favorite. Seed sown in the open ground will produce strong plants which will thrive and bloom from early summer until killed by late frosts. **635A—Pkt. 5 cts.**

SWEET PEAS

GIANT ORCHID MIXTURE

Unsurpassed for beauty of flowers. Strong plants and enormous flowers, long stems, indescribable array of colors, shades and markings. The grandest mixture ever offered. Large home garden size packet.

600A—Pkt. 5 cts.

GLADIOLI GOLD MEDAL MIXTURE

This lovely flower has made wonderful strides during the past few years. Its popularity today is exceeded by few other flowers and it has by no means reached its limit. There are, of course, good reasons for its popularity. This flower has never been known to fail. It can be planted in any open position and be depended upon to bloom well. As cut flowers they cannot be surpassed, lasting in water fully two weeks after being cut. They flower from early July to late fall. Our mixture is made up of all the latest and best named kinds, and can be depended upon to produce a grand array of large and most beautiful flowers.

Price, per dozen, 25c; 100, \$1.75, postpaid.

BEST SIX NAMED GLADIOLI

MRS. FRANK PENDLETON—Delicate blush pink.

NIAGARA—Large sulphur yellow.

AMERICA—Immense flowers; peach-blossom pink.

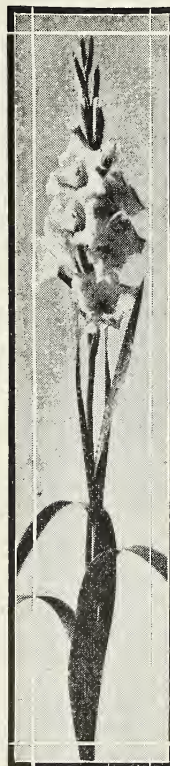
WAR—Handsome flowers; deep red.

PEACE—Magnificent pure white flowers.

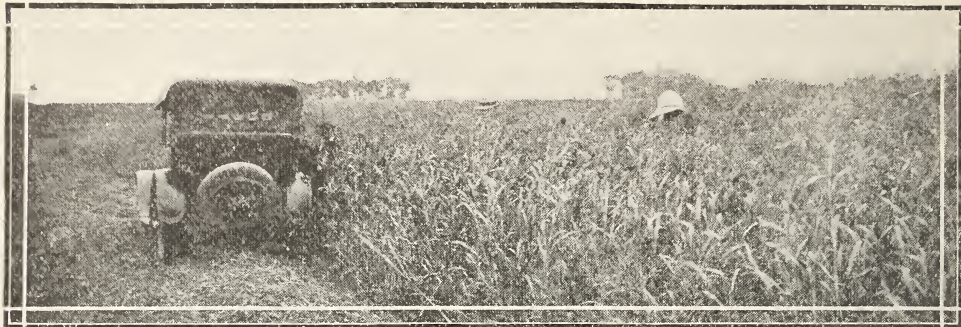
BARON HULOT—Dark violet-blue; distinct.

Above varieties, 8 cts. each, postpaid.

Collection of above six varieties, 45 cts., postpaid.



FIELD SEEDS



SUDAN GRASS

(Iowa Grown)

**THE GREATEST FORAGE CROP THAT
CAN BE GROWN IN IOWA!**

If you could get three cuttings of three tons per acre of hay the equal of alfalfa, on an outlay of a few dollars an acre, would you consider it a good investment? Just what you are looking for! All right; Sudan grass will do just that. Fifteen to twenty pounds to the acre sown at corn planting time means nine tons of the finest hay you ever saw; nutritious, palatable, succulent feed. Your live stock will leave good clover, timothy or alfalfa hay for Sudan grass.

If you are in doubt about Sudan Grass; if there is anything you want to know about it, write us or the Agricultural College at Ames, or the U. S. Department of Agriculture. But act quickly; our supply is limited. Remember, when you buy Sudan grass seed from us, you get Iowa grown seed; no risk of getting Johnson grass, that noxious weed so common in Southern grown Sudan grass. Ask for sample and prices.

OUR PRICES

As our catalog goes to press, it is too early to quote prices on Sudan Grass, Oats and other Field Seeds. Let us know your requirements, and we will quote you our prices; you will find them exceptionally reasonable.

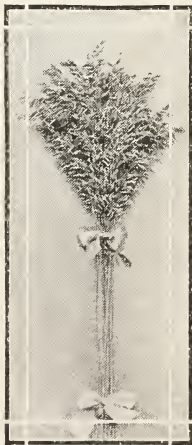
**ASK FOR OUR FIELD SEED
PRICE LIST.**

THE NEW SCHUMACHER OAT

READ THIS CAREFULLY

Mr. Schumacher has worked for nine long years improving this oat; he has succeeded in breeding it up to the point where he feels he is justified in claiming it to be the best yielding oat in the country; the last three years the Schumacher Oat has out-yielded all other oats one hundred per cent. They are a wonderful oat in every way; the carrying straw is extra heavy, making it almost proof against lodging. Stands 36 to 48 inches high and yields exceptionally well on corn land. A single head of grain carried 278 kernels; one kernel in 1919 crop yielded 2400 kernels. (See illustration on this page.) Yields for the past three years average 95 bushels per acre.

The market wants quality oats. Quality depends on weight of the kernel; not on weight of hull. The manufacturer of products from oats and the feeder want the value that is contained in the kernel. Hulls are light in weight and contain little feeding value. In 100 pounds of quality oats, you get as high as 78 pounds of oat meat, while in 100 pounds of poor quality oats, you get as low as 50 pounds of oat meat. Moreover, in growing poor oats, you cheat yourself. You pay the thrasher by bushel measure, while your grain dealer buys by weight. One hundred pounds of good oats represent about three bushels by measure; one hundred pounds of poor oats, often as high as five bushels. In growing poor oats, you are paying for threshing and handling hulls for which you get mighty little return.



**2,400 Kernels from
One Kernel Planted**

FIELD SEEDS (Continued)

HIGH GRADE FIELD SEED

Before placing your orders elsewhere, ask for our prices. We will make them as reasonable as possible, quality being our first consideration.

ALFALFA (Genuine Grimm).
ALFALFA (Northern Grown).
BARLEY, ODERBRUCKER (Iowa Grown).
BUCKWHEAT, JAPANESE (Iowa Grown).
CANE, CHOICE AMBER (Iowa Grown).
CLOVER, ALSIKE.
CLOVER, MEDIUM RED.
CLOVER, MAMMOTH RED.
CLOVER, WHITE BLOSSOM SWEET.
CLOVER, WHITE DUTCH.
FLAX (Rust Resistant).
GRASS, SUDAN.
MILLET, GOLDEN or GERMAN.
OATS, NEW SCHUMACHER (Iowa Grown).
OATS, IOWA 103 (Iowa Grown).
OATS, IOWA 105 (Iowa Grown).
OATS, WHITE KHERSON (Iowa Grown).
OATS, YELLOW KHERSON (Iowa Grown).
PEAS, CANADIAN FIELD.
RAPE, TRUE DWARF ESSEX.
SEED CORN.
SOY BEANS
TIMOTHY (Extra Choice), (Iowa Grown).
TIMOTHY AND ALSIKE MIXED (Iowa Grown).

BIRD SEED DEPARTMENT

All bird seed offered by us is fresh and recleaned; the only kind that will insure good healthy birds.

CANARY15c per pound
FLAX10c per pound
HEMP15c per pound
MILLET 5c per pound
PEAS10c per pound
RAPE10c per pound
SUNFLOWER10c per pound

Above prices do not include postage.

NOTE OUR REASONABLE PRICES!

CHICKEN FEED DEPARTMENT

We are in line to quote very reasonable prices on chicken feeds in season. Give us a chance to show you prices and quality in this line.

We also have a very complete line of poultry remedies.

SEED CORN
(Home Grown)

We can furnish some very fine seed corn, all raised right here at home by growers of repute. If in need of some good seed corn, give us a chance to quote prices.

We can furnish the following varieties of seed corn, shelled, butted, tipped and graded; all ready to go into the planter:

REID'S YELLOW DENT (Early Type). This type popular in the North.

HARDWICK YELLOW DENT. All extra early variety, maturing in 90 days. For size of ear and depth of kernel, this variety is hard to beat. Eighty bushels to the acre in 1921.

HACKBERRY CALICO. The finest Calico corn grown; matures in eighty to eighty-five days; heavy yielder; seventy to eighty bushels per acre.

SILVER KING. The best white corn for the North; medium sized ears; small cob; matures in about ninety days; very good for light soil.



A Fine Iowa Clover Crop

FRUITS BULBS PLANTS

All plants offered by us are guaranteed to be strong healthy plants;
sure to give satisfaction

TWO BEST STRAWBERRIES

SENATOR DUNLAP

The best early strawberry. Fine large, handsome fruit.

Price, 50 for 50c; 100 for \$1.00.

PROGRESSIVE EVERBEARING

Positively the best everbearing strawberry on the market.

Price, 50 for \$1.25; 100 for \$2.05.

RASPBERRIES

ST. REGIS EVERBEARING

A splendid new perpetual bearing raspberry; fruit bright crimson; good size.

Price, 12 for \$1.00; 100 for \$6.50.

CUMBERLAND (Black Cap)

The biggest, juiciest, heaviest yielding raspberry grown.

Price, 12 for \$5c; 100 for \$5.00.

BLACKBERRIES

SNYDER

The best known and most dependable blackberry; enormous cropper.

Price, 12 for \$1.00; 100 for \$6.00.

THREE BEST GRAPES

AGAWAM

Very sweet; good size; amber red fruit.

Price, 12 for \$1.50.

CONCORD

Without doubt the most popular of all grapes; black berries; deliciously sweet.

Price, 12 for \$1.25; 100 for \$10.00.

NIAGARA

A white grape without an equal; a splendid shipper.

Price, 12 for \$1.50.

ASPARAGUS ROOTS

COLUMBIAN MAMMOTH

Extra large white stems.

CONOVER'S COLOSSAL

A good standard variety.

PALMETTO

Pale green stems; good size; early.

Price (any of above), 25 for 60c.

RHUBARB ROOTS (Pie Plant)

We have a fine stock of Pie Plant roots; sure to make good stems.

Price, each, 15c; 2 for 25c; 6 for 75c.

THREE BEST PEONIES

We offer only good strong clumps; sure to please.

DUCHESSE DE NEMOURS

Magnificent double white; strong grower.

EDULIS SUPERBA

The largest and best double pink.

GROVER CLEVELAND

A splendid flower; deep red; double.

Price (any of above), each 50c; 3 for \$1.25.

FOUR BEAUTIFUL CANNAS

We offer nice strong roots of Canna. Sure to produce a fine display of bloom.

KING HUMBERT (Bronze Leaf)

A very handsome plant; scarlet flower; height 4 to 5 feet.

FLORENCE VAUGHAN (Green Leaf)

Flowers, yellow spotted with red; height 4 to 5 feet.

DR. ROBERT FUNKE (Green Leaf)

A very handsome glowing red flower; height 3 to 4 feet.

CHAS. HENDERSON (Green Leaf)

Very beautiful light orange scarlet; height 3 to 4 feet.

Price (any of above), each 15c; 4 for 50c.

THREE LOVELY HYBRID PERPETUAL ROSES

These beautiful June roses are admired wherever grown; they are the largest and richest of all roses; perfectly hardy anywhere.

FRAU KARL DRUSCHKI

The ever-bearing White American Beauty; extra large; very double.

GENERAL JACQUEMINOT

The famous large Red garden rose; a favorite everywhere; very sweet-scented.

PAUL NEYRON

The largest deep Pink rose in existence; very fragrant.

Price (any of above), each 60c; collection of 3, \$1.60.

TWO BEST HARDY CLIMBING ROSES

Our hardy climbing roses are nice strong plants and can be depended upon to do well anywhere.

DOROTHY PERKINS

The most popular Climbing Pink Rose; rapid climber; flowers beautiful shell pink; double.

EXCELSA (Crimson Rambler)

Immense clusters of double crimson flowers; climbs rapidly.

Price (any of above), each 35c; 2 for 65c.

ALL GOODS SHIPPED POSTPAID UNLESS OTHERWISE SPECIFIED

INOCULATING BACTERIA



"Nitragin" Increases Yield—Makes Fertile Soil

For Alfalfa, Clovers, Vetches, Cowpeas, Soybeans, Peas, Beans
Carries No Weeds or Plant Diseases—Enriches the Soil—Stimulates Growth

FOR THE FARMER BUSHEL SIZES INSTEAD OF ACRE SIZES

It pays well to inoculate all legumes even where already successfully grown, because high bred culture bacteria will greatly increase the nodules, adding many pounds of nitrate to the soil. This gives added strength. It is well fed. Is more resistant to winter killing, insects, etc.; has a better root system. Insures a more even stand. Compare the price of NITRAGIN to the cost

of 200 pounds of nitrogen fertilizer.

Price, one bushel size, \$1.00 per can; half bushel size, 55 cts per can. (These sizes f. o. b. Waterloo.)

NEW GARDEN SIZE

NITRAGIN for Garden Peas, Garden Beans and Sweet Peas are now put up separately. Will inoculate eight pounds of seed. The new garden size sells at 20c per can, postpaid.

FARMOGERM STAYS GOOD INDEFINITELY

Farmogerm keeps for years. Because of the method of sealing the bottle—a patented stopper which admits filtered air and keeps out all impurities—**Farmogerm** is just as good in five years as when first bottled. Other inoculants get weaker each day—**Farmogerm** always has its full strength. Just add water and shake the bottle and sprinkle over the seeds as directed. Your crop will benefit beyond your expectations.



FARMOGERM IS ECONOMICAL

No other inoculant on the market is so strong and virile; no other inoculant will thoroughly treat as much seed. The one-acre size bottle of

Farmogerm is sufficient for fifteen pounds of clover, twenty pounds of alfalfa, one hundred pounds of Canada Field Peas, sixty pounds of Vetch, etc. A different bacteria is required for each crop. When ordering, be sure to state what crops you wish to inoculate.

Seeds of all legumes—beans, peas, clover, alfalfa, and related crops—will yield far better if inoculated with **Farmogerm**, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Gardeners and farmers who have used **Farmogerm** would not be without it.

A special composite culture is prepared for peas, beans and sweet peas— $\frac{1}{4}$ -acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price 50 cts.

Farmogerm prices are: 1-acre size, \$1; 3-acre size, \$2.50; 12-acre size, \$9. Full directions accompany each bottle.

WHAT ABOUT SHRUBBERY?

We are in line to quote very reasonable prices on Trees and Shrubs; strong Northern grown stock. We believe we can save you some money if you will send us a list of your requirements along this line. We can furnish Shade and Ornamental Trees, Evergreens, Honeysuckles, Hydrangea, Lilac, Bridal Wreath, Snowball, Mock Orange, Barberry, Arbor Vitae, etc.

GARDEN TOOLS

NO. 4 PLANET JR. HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Complete—Price, \$19.50

Pays for itself in a single season in the family garden as well as in larger acreage. Sows all garden seeds in hills 4, 6, 8, 12 or 24 inches apart, or in drills in straight, even rows, at a uniform depth. Easily changed to a single wheel hoe that hoes, cultivates and plows easily and thoroughly, all through the season.

As a Seeder only—Price \$15.50.



NO. 12 PLANET JR. DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Price—\$12.50

Straddles crops until 20 inches high, then works between rows with one or two wheels. The plows open furrows and cover them. The cultivator teeth work deep or shallow. Hoes are wonderful weed hand cultivating tool made for the average garden.

No. 25 Planet Jr. killers and mulchers. The greatest

NO. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Price—\$10.25

The highest type of single wheel hoes made. Light and durable. Strong, indestructible steel frame. High, easy-running steel wheel with forged steel spokes.

NO. 17 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Price—\$8.75

The frames, handles and wheel are the same as No. 16, but the attachments vary. Lasts a lifetime.

NO. 25 PLANET JR. HILL AND DRILL SEEDER, SINGLE AND DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Price—\$23.00

As a seeder this is the same as No. 4 and does the same accurate work. Can be used as a double wheel hoe to straddle the row till crops are 20 inches high; then as a single wheel hoe to run between rows. Hoes work close without injuring plants; cultivator teeth and plows do thorough work. Cutting tools specially hardened, giving long service. Two acres a day can easily be worked with this tool.

NO. 31 PLANET JR. DRILL SEEDER AND SINGLE WHEEL HOE

Price \$13.00

This tool is of great value to thousands of gardeners who have never felt able to own a wheel hoe. It will sow even a small packet of seed with great precision, in a narrow row from 1/4 to 2 inches deep. Quickly changed to a first class wheel hoe.

As a Seeder only. Price—\$10.50.

NO. 60 PLANET JR. DOUBLE WHEEL ONION HOE

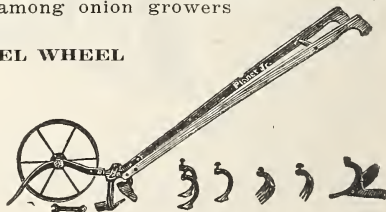
Price—\$6.00

This tool is a departure from all previous wheel hoes. It is simple, adjustable for all conditions and complete for culture of onions or general hoeing. The arch is adjustable, eliminating the necessity of tool frames. Hoes are of a new design, oil tempered, each stamped from a single piece of steel, eliminating breakage or clogging. Experience has proven the six-inch hoes to be the most consistent and efficient soil mulchers and weed killers of all attachments now in use. A favorite among onion growers and market gardeners.

NO. 119 PLANET JR. GARDEN PLOW, 24-INCH STEEL WHEEL

Price—\$5.50.

A tool that will appeal to those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared, the high wheel undoubtedly makes an easy running tool. The equipment is so complete that it will meet all the needs of ordinary garden work, where adjustments and refinements of the higher priced wheel hoes are not required.



No. 16 Planet Jr.

DUNHAM WATER WEIGHT ROLLERS

This roller has a steel drum into which water can be poured until the roller is just the right weight for the work at hand.

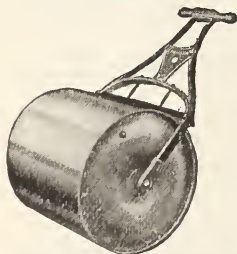
For soft lawns it will not need so much water; while for firm turf, tennis court or drives it can be made as heavy as desired. When through rolling, all water is emptied out and the roller is light enough to be easily handled. Weighs 50% more when filled with sand—water is most convenient.

The drum is made of heavy steel plates, carefully welded to form a solid one-piece container for water. Sold in the following sizes, f. o. b. Waterloo:

WB3—Length 20 inches; filled weight 150 lbs., \$18.50.

WB5—Length 24 inches; filled weight 300 lbs., \$22.75.

WB7—Length 24 inches; filled weight 500 lbs., \$25.75.



ALL ARTICLES LISTED ON PAGES 46 AND 47 OF THIS CATALOG WILL BE SHIPPED EITHER BY FREIGHT OR EXPRESS, F. O. B. WATERLOO

GARDEN TOOLS

SPRAYERS

HUDSON JUNIOR SPRAYER

This is a high pressure compressed air sprayer. The tank is heavy gauge; side seams are riveted and soldered. Pump is seamless brass tubing which seals into the tank by a half turn of the D handle and is easily removed for filling, cleaning, etc. It is equipped with special spray hose built to withstand high pressures, and our "Perfection" automatic shut-off nozzle. Capacity about 2½ gallons.

No. 140G—Junior, galvanized tank. Price each, \$5.00.

No. 140R—Junior, brass tank. Price each, \$8.00.

HUDSON PERFECTION SPRAYER

This sprayer is made similar to the Hudson Junior, but has a tank capacity of about four gallons.

No. 110G—Perfection, galvanized tank. Price each, \$6.50.

No. 110R—Perfection, brass tank. Price each \$10.00.

HUDSON MISTY SPRAYER



The best selling QUART size sprayer, and one that is a universal favorite. Construction is the very best. The point of the pump passes through the tank and is firmly soldered, making it very strong and rigid. Spray tube is carefully aligned before soldering, so that the air and syphon tubes are always in line.

No. 4512—Misty, tin pump and tank. Price each, 50 cts.

No. 4512G—Misty, galvanized tank, tin pump. Price each, 65 cts.

HUDSON CONTINUOUS SPRAYER

The Continuous Sprayer is a popular pattern because it handles all solutions—chemicals, insecticides, disinfectants—in a practical and satisfactory manner. It delivers a fine even spray CONTINUOUSLY, and its construction is such that it will operate in any position. All working parts are brass; fitted with straight and angle nozzles. Capacity one full QUART.

No. 7212—Continuous, tin pump and tank. Price each, 75 cts.

No. 7212G—Continuous, galvanized tank, tin pump. Price each, \$1.00.

HAND GARDEN TOOLS

Come in and get your choice of garden tools; get the kind that suits your individual work the best. We have a large variety of garden tools; at least a dozen styles of weeding hoes; several different styles of grass hooks, rakes, spades, trowels, etc. It will pay you well to look these over before buying elsewhere, because all garden tools which we offer are of best quality, and the prices are very reasonable.

GARDEN HOES
GARDEN RAKES
GARDEN SPADES
GARDEN TROWELS
SPADING FORKS
WEEDING HOES

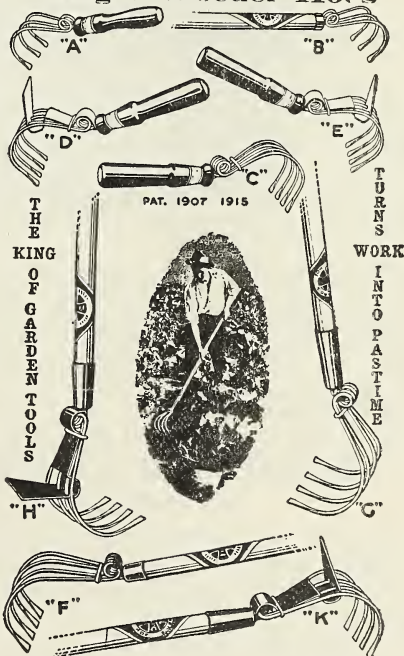
GRASS HOOKS
GRASS RAKES
GRASS SHEARS
LAWN MOWERS
LAWN ROLLERS
PRUNING SHEARS

CROP ROTATION IN THE GARDEN

Expert agriculturists are continually advising crop rotation. They cannot advise it too strongly. We all know how very necessary crop rotation is to insure continued successful cropping. Crop rotation in the garden is just as necessary as upon the farm. The continued planting of the same crop upon the same patch is a decidedly risky operation. Peas and Beans are valuable nitrogen-gathering plants and should be planted in rotation with Carrots, Beets, Lettuce, etc. By careful system of rotating, objectionable fungi can be destroyed which otherwise would live in the soil indefinitely. Rotation is about the only way to rid the Tomato patch of dry rot; or Beans of Anthracnose.

REICHARD'S COMBINATION SPRING-TOOTH

Magic Weeder Hoes



FERTILIZERS

INSECTICIDES



WIZARD SHEEP FERTILIZER

The Ideal Fertilizer for Every Crop

Ask any gardener and he'll tell you there's nothing better than sheep manure for making things grow. That's all that WIZARD is—just sheep manure, the very best from Western sheep-feeding stations, made easy to handle by sterilizing, drying, screening and grinding. There's the equivalent of a whole wagon-load of stable manure in every bag.

Price, 25 lb. bag, \$1.00; 50 lb. bag, \$1.75; 100 lb. bag, \$3.00 (f. o. b. Waterloo).

STIM-U-PLANT

PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

AN ALL-THE-YEAR-FERTILIZER FOR GARDEN AND HOUSE PLANTS

STIMUPLANT is the most effective concentrated fertilizer manufactured. It can be used easily and profitably on flowers, shrubs, vegetables, fruit and ornamental trees; and will promote more rapid growth and earlier maturity than any other grade of fertilizer. The guaranteed chemical analysis shows 11% nitrogen, 12% phosphoric acid, 15% potash.

STIMUPLANT can be used in tablet form, or dissolved in water at the rate of one tablet to the quart, or four to the gallon, which makes a liquid fertilizer of just the right strength. Order STIMUPLANT tablets with your seed and plant order.

Price, 10 tablets for 15c; 30 for 25c; 100 for 75c; 1000 for \$3.50.

AGRICULTURAL GYPSUM

(Land Plaster)

The best form in which to apply lime as a neutralizer for acid soils. A preservative and deodorizer of manures. It holds the ammonia, thereby preserving the nitrogen until it is ready to apply to the soil. Very fine for worn out grass plots.

Price, 100 lbs., \$1.50 (f. o. b. Waterloo).

ARSENATE OF LEAD
(Powder)

Kills leaf-cutting insects. This material is especially recommended on account of its adhesiveness to the foliage. It is not washed off by the first rain. Use one tablespoonful to one gallon of water.

Price, ½ lb. 35 cts.; 1 lb. 60 cts.

PARIS GREEN (Powder)

For all leaf-eating insects. The standard arsenical poison for killing leaf-eating insects, worms, slugs, etc. Does not stick to foliage quite so long as Arsenate of Lead. Do not use too strong a solution.

Price, ½ lb. 35 cts.; 1 lb. 60 cts.

TOBACCO DUST

For green and black aphids, fleas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots.

Price, per lb. 15 cts.

BORDEAUX MIXTURE

Is the best fungicide for curing such diseases as black-rot, mildew, scab, rust, etc., on both fruits and plants.

Price, per lb. 55 cts.

LIME SULPHUR (Powder)

All that is needed is the addition of water to make spraying material. It is used for the control of scab and fungus diseases, mite, aphid and red spider. Will keep indefinitely if kept dry.

Price, per lb. 35 cts.; 5 lbs. \$1.50.

WHITE HELLEBORE (Powder)

One of the best insecticides for all-round garden use. Kills leaf-eating insects, such as currant worms, cut worms, rose bug, etc. Can be used dry or in solution. One ounce to two gallons of water.

Price, ½ lb. 35 cts.; 1 lb. 60 cts.

GARDITE (Powder)

A very effective exterminator of garden pests. Keep away the cabbage worms, asparagus beetle, cucumber beetle, aphids, flea beetle, potato bugs, caterpillars, etc., by using GARDITE. GARDITE comes in sifter top cans and is easily applied. It is non-poisonous and will harm nothing but the insects.

Price, 1 lb. 25 cts.

PYROX

PYROX is a combined insecticide and fungicide. Will keep your potatoes free from potato bugs, flea beetles, and blight. Will keep away codling moth, canker worm and other chewing insects. It means better peas, peaches, apples, small fruits, potatoes and other vegetables. Eighteen years actual garden and field experience behind it. It sticks like paint and will protect the crop throughout the growing season.

PYROX comes in paste form. Simply mix with water at the rate of one pound of PYROX to five gallons water. Try it. It will pay you well.

Price, 1 lb. jar, 40 cts.; 5 lb. drum, \$1.50; 10 lb. drum, \$2.50.

(NOTE—5 lb. and 10 lb. drums of PYROX quoted f. o. b. Waterloo.)

LAWN GRASS

EXCELSIOR LAWN GRASS MIXTURE

A Specially Blended Mixture of Grasses for Making or Renovating Lawns

We don't hesitate to say that, no matter what price you may pay, you cannot possibly secure a more dependable mixture of Lawn Grass than we are offering our customers.

This mixture is made up of only those Grasses which, after many years of experience, we know to be best for the making of good well-wearing lawns. The Grasses are so blended as to insure a nice close uniform growth of fine grass with an abundance of root growth to insure a good sod in the shortest time. It is also so blended that it will insure a good growth of grass either in the open or under trees.

We positively guarantee this mixture to give entire satisfaction, subject to soil and other conditions being favorable.

EXCELSIOR LAWN GRASS MIXTURE—Price, per lb. 40 cts.; 5 lbs. \$1.75; 10 lbs. \$3.50.

WHITE DUTCH CLOVER—Price, 60 cts per pound.



A Beautiful Lawn Increases the Value of a Home

LAWN SERVICE DEPARTMENT

Our Lawn Service Department is equipped to take care of all your lawn troubles; the head of this department has been advising on lawns for the past twenty years. If your lawn fails to produce grass abundantly, or if it is patchy, or develops a mossy surface, write us about it; we may be able to help you. Let us know something about your soil; often special grasses are necessary to insure a good lawn. We are in line to tell you all about the special grasses. If you will send us a sample of your soil, we will test it and advise you how to proceed. Quite a multitude of little lawn troubles develop during the season; pass them on to us and we will give you the benefit of our long experience along this line. Don't hesitate to write; it's a pleasure to answer inquiries of all kinds.

LAWN GRASS SEED REQUIRED

Amateurs are often puzzled about the amount of lawn grass seed to sow. The following may be taken as a general rule for new seedings, but when old lawns are being renovated only about half the amount stated will be needed: For 300 sq. ft. equalling a plot 15 ft. by 20 ft., 1 pound; for 2,000 sq. ft., equalling a plot 40 ft. by 50 ft., 7 pounds.

LET US HELP YOU SOLVE YOUR GARDEN, LAWN AND CROP PROBLEMS



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